

# Colorimetric transformation $i = 3$

$$c_i^* = c_3^* = a c^{*b} \text{ with } a = 1,00; b = 2,00$$

*rgb*  $\rightarrow$  *olv\**

|      |      |      |      |     |
|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 0.75 | 1.0  |      |      |     |
| 0.75 | 0.75 | 1.0  |      |     |
| 0.75 | 0.75 | 0.5  | 1.0  |     |
| 0.75 | 0.75 | 0.5  | 0.25 | 1.0 |
| 0.5  | 0.5  | 0.75 | 0.25 | 0.0 |
| 0.5  | 0.5  | 0.25 | 0.75 | 0.0 |
| 0.5  | 0.5  | 0.25 | 0.0  | 0.0 |
| 0.25 | 0.25 | 0.5  | 0.0  |     |
| 0.25 | 0.25 | 0.0  |      |     |
| 0.25 | 0.25 | 0.0  |      |     |
| 0.0  | 0.0  |      |      |     |
| 0.0  | 0.0  |      |      |     |
| 0.0  | 0.0  |      |      |     |

*olv\**  $\rightarrow$  *olv\**<sub>3</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 0.75 | 0.938 |       |       |     |
| 0.75 | 0.938 | 1.0   |       |     |
| 0.75 | 0.688 | 0.75  | 1.0   |     |
| 0.75 | 0.625 | 0.75  | 0.438 |     |
| 0.5  | 0.625 | 0.625 | 0.438 | 1.0 |
| 0.5  | 0.375 | 0.375 | 0.563 | 0.0 |
| 0.5  | 0.313 | 0.375 | 0.0   | 0.0 |
| 0.25 | 0.313 | 0.25  | 0.0   |     |
| 0.25 | 0.063 | 0.0   |       |     |
| 0.25 | 0.0   | 0.0   |       |     |
| 0.0  | 0.0   |       |       |     |
| 0.0  | 0.0   |       |       |     |
| 0.0  | 0.0   |       |       |     |

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|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 0.75 | 1.0  |      |      |     |
| 0.75 | 0.75 | 1.0  |      |     |
| 0.75 | 0.75 | 0.5  | 1.0  |     |
| 0.5  | 0.75 | 0.75 | 1.0  |     |
| 0.5  | 0.5  | 0.75 | 0.25 | 1.0 |
| 0.5  | 0.5  | 0.75 | 1.0  |     |
| 0.5  | 0.5  | 0.25 | 0.75 | 0.0 |
| 0.25 | 0.5  | 0.5  | 0.75 |     |
| 0.25 | 0.25 | 0.5  | 0.0  |     |
| 0.25 | 0.25 | 0.0  |      |     |
| 0.0  | 0.25 |      |      |     |
| 0.0  | 0.0  |      |      |     |
| 0.0  |      |      |      |     |

*olv\**  $\rightarrow$  *olv\**<sub>3</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 0.938 | 1.0   |       |     |
| 0.75 | 0.688 | 1.0   | 1.0   |     |
| 0.5  | 0.688 | 0.625 | 1.0   |     |
| 0.5  | 0.625 | 0.625 | 0.438 | 1.0 |
| 0.5  | 0.375 | 0.625 | 0.563 | 1.0 |
| 0.5  | 0.375 | 0.375 | 0.563 | 0.0 |
| 0.25 | 0.375 | 0.25  | 0.0   |     |
| 0.25 | 0.313 | 0.25  |       |     |
| 0.25 | 0.063 | 0.25  |       |     |
| 0.0  | 0.063 | 0.0   |       |     |
| 0.0  | 0.0   |       |       |     |
| 0.0  |       |       |       |     |
| 0.0  |       |       |       |     |

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*rgb*  $\rightarrow$  *olv\**

|      |      |      |      |     |
|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  | 0.75 |      |      |     |
| 0.75 | 1.0  |      |      |     |
| 0.75 | 0.75 | 0.5  |      |     |
| 0.75 | 0.5  | 1.0  | 0.25 |     |
| 0.5  | 0.75 | 0.5  | 1.0  | 0.0 |
| 0.5  | 0.5  | 0.25 | 0.25 | 1.0 |
| 0.5  | 0.25 | 0.25 | 0.0  | 0.0 |
| 0.25 | 0.5  | 0.0  | 0.75 |     |
| 0.25 | 0.25 | 0.0  | 0.0  |     |
| 0.25 | 0.0  | 0.5  |      |     |
| 0.0  | 0.25 | 0.0  |      |     |
| 0.0  | 0.0  |      |      |     |
| 0.0  |      |      |      |     |

*olv\**  $\rightarrow$  *olv\**<sub>3</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  | 0.938 |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 0.938 | 0.75  |       |     |
| 0.75 | 0.625 | 1.0   | 0.438 |     |
| 0.5  | 0.688 | 0.75  | 1.0   | 0.0 |
| 0.5  | 0.625 | 0.375 | 0.438 | 1.0 |
| 0.5  | 0.313 | 0.625 | 0.0   | 0.0 |
| 0.25 | 0.375 | 0.375 | 0.563 |     |
| 0.25 | 0.313 | 0.0   | 0.0   |     |
| 0.25 | 0.0   | 0.25  |       |     |
| 0.0  | 0.063 | 0.0   |       |     |
| 0.0  | 0.0   |       |       |     |
| 0.0  |       |       |       |     |

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$$c_i^* = c_3^* = a c^{*b} \text{ with } a = 1,00; b = 2,00$$

*rgb*  $\rightarrow$  *olv\**

|      |      |      |      |     |
|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  | 0.75 |      |      |     |
| 0.75 | 1.0  |      |      |     |
| 0.75 | 1.0  | 0.5  |      |     |
| 0.75 | 0.5  | 1.0  | 0.25 |     |
|      | 0.75 | 1.0  | 1.0  |     |
| 0.5  | 0.75 | 0.25 | 1.0  | 0.0 |
| 0.5  | 0.75 | 0.75 | 1.0  | 1.0 |
| 0.5  | 0.25 | 0.75 | 0.0  | 1.0 |
|      | 0.5  | 0.0  | 0.75 |     |
| 0.25 | 0.5  | 0.0  | 0.75 |     |
| 0.25 | 0.0  | 0.5  |      |     |
| 0.25 | 0.25 | 0.5  |      |     |
| 0.0  | 0.25 |      |      |     |
| 0.0  |      |      |      |     |
| 0.0  |      |      |      |     |

*olv\**  $\rightarrow$  *olv\**<sub>3</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  | 0.938 |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 1.0   | 0.75  |       |     |
| 0.75 | 0.625 | 1.0   | 0.438 |     |
|      | 0.688 | 0.375 | 1.0   |     |
| 0.5  | 0.688 | 0.625 | 1.0   | 0.0 |
| 0.5  | 0.313 | 0.625 | 0.0   | 1.0 |
| 0.5  | 0.375 | 0.0   | 0.563 |     |
|      | 0.375 | 0.0   | 0.563 |     |
| 0.25 | 0.0   | 0.25  |       |     |
| 0.25 | 0.0   | 0.25  |       |     |
| 0.25 | 0.063 |       |       |     |
| 0.0  | 0.063 |       |       |     |
| 0.0  |       |       |       |     |
| 0.0  |       |       |       |     |

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|      |      |      |      |     |
|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 0.75 | 0.75 |      |      |     |
| 0.75 | 0.75 |      |      |     |
| 0.75 | 1.0  | 0.5  |      |     |
|      | 0.5  | 0.5  | 0.25 |     |
|      | 0.5  | 1.0  | 0.25 |     |
| 0.5  | 0.75 | 0.25 | 1.0  | 0.0 |
| 0.5  |      | 0.25 | 0.0  | 0.0 |
| 0.5  | 0.25 | 0.75 | 0.0  | 1.0 |
|      | 0.25 | 0.0  | 0.0  |     |
|      | 0.5  | 0.0  | 0.75 |     |
|      | 0.0  | 0.0  |      |     |
|      | 0.0  | 0.5  |      |     |
| 0.0  | 0.25 |      |      |     |
| 0.0  |      |      |      |     |
| 0.0  |      |      |      |     |

*olv\**  $\rightarrow$  *olv\**<sub>3</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  | 0.938 |       |       |     |
|      | 0.938 |       |       |     |
| 0.75 | 1.0   | 0.75  |       |     |
| 0.75 |       | 0.75  |       |     |
| 0.75 | 0.625 | 1.0   | 0.438 |     |
|      | 0.625 | 0.375 | 0.438 |     |
| 0.5  | 0.688 | 0.375 | 1.0   | 0.0 |
| 0.5  |       | 0.375 | 0.0   | 0.0 |
| 0.5  | 0.313 | 0.625 | 0.0   | 1.0 |
|      | 0.313 | 0.0   | 0.0   |     |
| 0.25 | 0.375 | 0.0   | 0.563 |     |
| 0.25 |       | 0.0   |       |     |
| 0.25 | 0.0   | 0.25  |       |     |
|      | 0.0   |       |       |     |
|      | 0.063 |       |       |     |
| 0.0  |       |       |       |     |
| 0.0  |       |       |       |     |
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|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 0.75 | 1.0  |      |      |     |
| 0.75 | 0.75 | 1.0  |      |     |
| 0.75 | 1.0  | 0.5  |      |     |
|      | 0.75 | 1.0  | 1.0  |     |
|      | 0.5  |      | 0.25 |     |
| 0.5  | 0.75 | 0.75 | 1.0  | 1.0 |
| 0.5  |      | 0.25 |      | 0.0 |
| 0.5  | 0.5  | 0.75 | 0.75 | 1.0 |
|      | 0.25 | 0.5  | 0.0  |     |
| 0.25 | 0.5  | 0.5  | 0.75 |     |
| 0.25 | 0.0  | 0.0  |      |     |
| 0.25 | 0.25 | 0.5  |      |     |
| 0.0  | 0.0  |      |      |     |
| 0.0  | 0.25 |      |      |     |
| 0.0  |      |      |      |     |

*olv\**  $\rightarrow$  *olv\**<sub>3</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
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| 0.75 | 0.938 |       |       |     |
| 0.75 | 1.0   | 1.0   |       |     |
| 0.75 | 0.688 | 0.75  |       |     |
|      | 0.625 | 1.0   | 1.0   |     |
| 0.5  | 0.688 | 0.625 | 0.438 |     |
| 0.5  | 0.625 | 0.625 | 1.0   | 1.0 |
| 0.5  | 0.375 | 0.375 | 0.563 | 0.0 |
|      | 0.313 | 0.625 | 0.0   | 1.0 |
| 0.25 | 0.375 | 0.25  | 0.563 |     |
| 0.25 | 0.063 | 0.0   |       |     |
| 0.25 | 0.0   | 0.25  |       |     |
| 0.0  | 0.063 |       |       |     |
| 0.0  |       |       |       |     |
| 0.0  |       |       |       |     |