

# Colorimetric transformation $i = 2$

$$c_i^* = c_2^* = a c^{*b} \text{ with } a = 1,00; b = 0,50$$

*rgb*  $\rightarrow$  *cmyn\**

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

*cmyn\**  $\rightarrow$  *cmyn\**<sub>2</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 0.5   | 1.0   |       |     |
| 0.75 | 0.5   | 0.293 | 1.0   |     |
| 0.5  | 0.833 | 0.293 | 0.134 | 1.0 |
| 0.5  | 0.333 | 0.854 | 0.134 | 0.0 |
| 0.5  | 0.333 | 0.146 | 0.866 | 0.0 |
| 0.5  | 0.667 | 0.146 | 0.0   |     |
| 0.25 | 0.167 | 0.707 | 0.0   |     |
| 0.25 | 0.167 | 0.0   |       |     |
| 0.25 | 0.5   | 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 | 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  |      |      |      |     |

*cmyn\**  $\rightarrow$  *cmyn\**<sub>2</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 0.5   | 1.0   |       |     |
| 0.75 | 0.833 | 0.293 | 1.0   |     |
| 0.5  | 0.833 | 0.854 | 1.0   |     |
| 0.5  | 0.333 | 0.854 | 0.134 | 1.0 |
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| 0.25 | 0.167 | 0.707 | 0.0   |     |
| 0.25 | 0.25  | 0.707 |       |     |
| 0.25 | 0.5   | 0.0   |       |     |
| 0.0  | 0.5   |       |       |     |
| 0.0  | 0.0   |       |       |     |
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|------|------|------|------|-----|
| 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 |     |
|      | 0.75 | 0.5  | 1.0  | 0.0 |
| 0.5  | 0.5  | 0.25 | 0.25 | 0.0 |
| 0.5  | 0.5  | 0.75 | 0.0  | 1.0 |
| 0.5  | 0.25 | 0.25 | 0.0  | 0.0 |
|      | 0.5  | 0.0  | 0.75 |     |
| 0.25 | 0.25 | 0.0  | 0.0  |     |
| 0.25 | 0.25 | 0.5  |      |     |
| 0.25 | 0.0  | 0.0  |      |     |
|      | 0.25 |      |      |     |
| 0.0  | 0.0  |      |      |     |
| 0.0  |      |      |      |     |
| 0.0  |      |      |      |     |

*cmyn\**  $\rightarrow$  *cmyn\**<sub>2</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  | 0.5   |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 0.5   | 0.293 |       |     |
| 0.75 | 0.333 | 1.0   | 0.134 |     |
|      | 0.833 | 0.293 | 1.0   | 0.0 |
| 0.5  | 0.333 | 0.146 | 0.134 | 0.0 |
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| 0.25 | 0.167 | 0.0   | 0.0   |     |
| 0.25 | 0.25  | 0.707 |       |     |
| 0.25 | 0.0   | 0.0   |       |     |
|      | 0.5   |       |       |     |
| 0.0  | 0.0   |       |       |     |
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# Colorimetric transformation $i = 2$

$$c_i^* = c_2^* = a c^{*b} \text{ with } a = 1,00; b = 0,50$$

*rgb*  $\rightarrow$  *cmyn\**

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

*cmyn\**  $\rightarrow$  *cmyn\**<sub>2</sub>

|      |       |       |       |     |
|------|-------|-------|-------|-----|
| 1.0  |       |       |       |     |
| 1.0  |       |       |       |     |
| 1.0  | 0.5   |       |       |     |
| 0.75 | 1.0   |       |       |     |
| 0.75 | 1.0   | 0.293 |       |     |
| 0.75 | 0.333 | 1.0   | 0.134 |     |
|      | 0.833 | 1.0   | 1.0   |     |
| 0.5  | 0.833 | 0.146 | 1.0   | 0.0 |
| 0.5  | 0.833 | 0.854 | 1.0   | 1.0 |
| 0.5  | 0.167 | 0.854 | 0.0   | 1.0 |
|      | 0.667 |       | 0.866 |     |
| 0.25 | 0.667 | 0.0   | 0.866 |     |
| 0.25 |       | 0.707 |       |     |
| 0.25 | 0.0   | 0.707 |       |     |
|      | 0.5   |       |       |     |
| 0.0  | 0.5   |       |       |     |
| 0.0  |       |       |       |     |
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|------|------|------|------|-----|
| 1.0  |      |      |      |     |
| 1.0  |      |      |      |     |
| 1.0  | 0.75 |      |      |     |
| 0.75 | 0.75 |      |      |     |
| 0.75 | 1.0  | 0.5  |      |     |
| 0.75 | 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 | 0.25 | 0.0  | 0.0 |
| 0.5  | 0.25 | 0.75 | 0.0  | 1.0 |
|      | 0.25 | 0.0  | 0.75 |     |
| 0.25 | 0.5  | 0.0  |      |     |
| 0.25 | 0.0  | 0.0  |      |     |
| 0.25 | 0.0  | 0.5  |      |     |
|      | 0.0  |      |      |     |
| 0.0  | 0.25 |      |      |     |
| 0.0  |      |      |      |     |
| 0.0  |      |      |      |     |

*cmyn\**  $\rightarrow$  *cmyn\**<sub>2</sub>

|      |       |       |       |     |
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|      | 0.333 | 1.0   | 0.134 |     |
| 0.5  | 0.833 | 0.146 | 0.134 |     |
| 0.5  | 0.5   | 0.146 | 1.0   | 0.0 |
| 0.5  | 0.167 | 0.854 | 0.0   | 0.0 |
|      | 0.167 | 0.0   | 0.0   | 1.0 |
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| 0.25 | 0.0   | 0.0   |       |     |
| 0.25 | 0.0   | 0.707 |       |     |
|      | 0.0   |       |       |     |
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| 0.0  |       |       |       |     |
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| 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  |      | 0.75 | 0.75 | 1.0 |
|      | 0.25 |      | 0.0  |     |
|      | 0.5  | 0.5  | 0.75 |     |
|      |      | 0.0  |      |     |
| 0.25 | 0.5  |      |      |     |
| 0.25 |      | 0.0  |      |     |
| 0.25 | 0.25 | 0.5  |      |     |
|      | 0.0  |      |      |     |
| 0.0  | 0.25 |      |      |     |
| 0.0  |      |      |      |     |
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|      | 0.833 | 1.0   | 1.0   |     |
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|      | 0.167 |       | 0.0   |     |
|      | 0.667 | 0.707 | 0.866 |     |
|      |       | 0.0   |       |     |
| 0.25 | 0.5   | 0.707 |       |     |
| 0.25 |       |       |       |     |
| 0.25 | 0.0   |       |       |     |
|      | 0.0   |       |       |     |
| 0.0  | 0.5   |       |       |     |
| 0.0  |       |       |       |     |
| 0.0  |       |       |       |     |