

Colour Management based on ISO 9241-306:2018

ISO C_{YP5} : $2,5 \leq Y \leq 90$

$rgb_d = 729$ colour
device data to
elementary
hue data

RGB
display_{de1}
D65, C_{YP5}

output:

AE46

$rgb'_{dei} = \text{visual}$
equally spaced
elementary output
($i=1,2,3$)

$g_{p1} = 0,775$

$g_{p2} = 1,000$

$g_{p3} = 0,475$

$[rgb_d]^{n1}$
de1 $\rightarrow rgb'_{de1}$

SDR

ISO
colours
AE49

$[rgb_d]^{n2}$
 $\rightarrow rgb'_{de2}$
HDR

output:

AE46

measure:

ISO C_{YP8} : $0,3 \leq Y \leq 90$

RGB
display_{de2}
D65, C_{YP8}

de2

$[rgb_d]^{n3}$
 $\rightarrow rgb'_{de3}$
PDR

RGB
display_{de3}
D65, C_{YP1}

output:

AE46

ISO C_{YP1} : $40 \leq Y \leq 90$