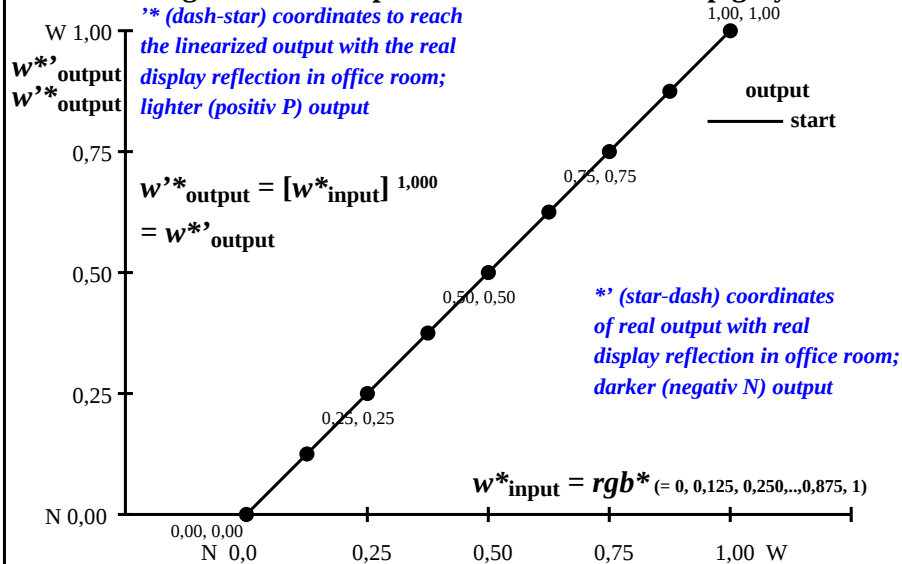
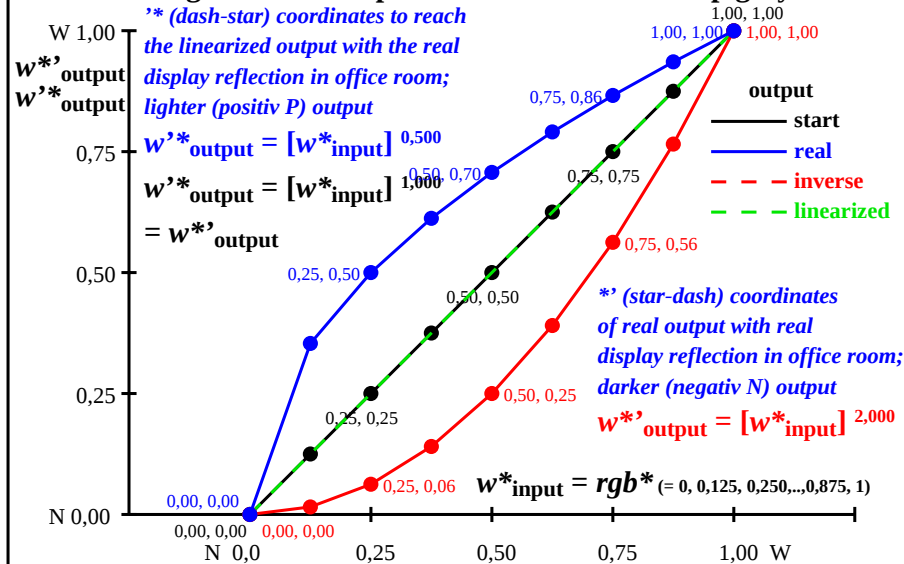


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



Three, 5 and 9 colour steps for visual evaluation



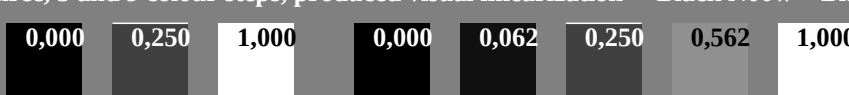
Three, 5 and 9 colour steps, numeric specification

0,00 0,00	e08=0, .. a1=e08	1,00 1,00	0,00 0,00	e04=0, .. b1=e04*a1	1,00 0,00 b2=a1	e48=0, .. b3=e48* (1-b2)+b2	1,00 1,00
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Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000	0,70 0,707	1,00 1,000	0,00 0,000	0,70 0,500	1,00 0,00 0,707	0,54 0,866	1,00 1,000
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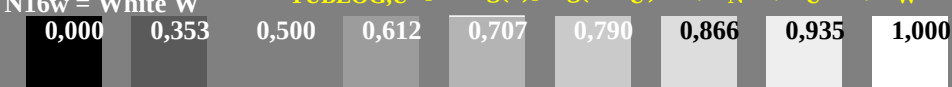
Three, 5 and 9 colour steps, produced visual linearization



hed10-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=0,500, expi=2,000

0, 125, 250, 375, 500, 625, 750, 875, 1000
Black N00w - Black N16w = White W

$L^{*TUBLOG,U} = [50/\log(5)] \log(Y/Y_U) + 50$, $Y_N=4$, $Y_U=20$, $Y_W=100$



N00w 0	N02w 12?	N04w 25?	N06w 37?	N08w 50?	N10w 62?	N12w 75?	N14w 87?	N16w 100
0,00 0,00	e02=0, .. c1=e02*b1	1,00 0,00 c2=b1	c24=0, .. c3=e24* (b2-b1)+b1	0,00 1,00 c4=b2	e46=0, .. c5=e46* (b3-b2)+b2	1,00 0,00 c6=b3	e68=0, .. c7=e68* (1-b3)+b3	1,00 1,00

0,00 0,000	0,70 0,353	1,00 0,00 0,500	0,54 0,612	0,00 1,00 0,707	0,52 0,790	1,00 0,00 0,866	0,51 0,935	1,00 1,000
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0, 350, 499, 612, 707, 790, 865, 935, 1000
Black N00w - Black N16w = White W

$L^{*TUBLOG,U} = [50/\log(5)] \log(Y/Y_U) + 50$, $Y_N=4$, $Y_U=20$, $Y_W=100$



N00w N02w N04w N06w N08w N10w N12w N14w N16w

TUB-test chart hed1; Separate grey samples for visual intervall scaling, evaluation of the series
N-W with 3, 5 and 9 steps, output $(rgb^{*})^{0,5}$ & experimental; surround mean Grey U=N08w