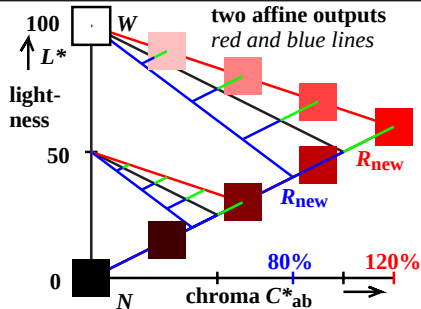
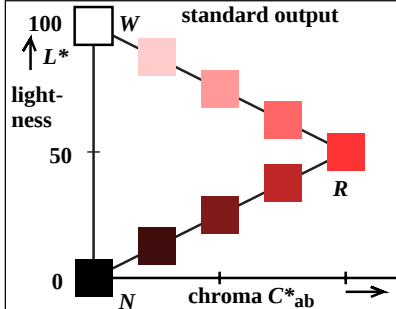




RGB display luminance $142+64 \text{ cd/m}^2$ (=+44% compared to office standard)

rgb input data for Red, no internal display change of r^* : $1,0 \ 0,0 \ 0,0 = 1,0 \ 0,0 \ 0,0$

rgb input data for D65, internal 20% reduction of w^* : $1,0 \ 1,0 \ 1,0 \rightarrow 0,8 \ 0,8 \ 0,8$

See example simulation files with 0, 5, 10, ..., 35% change on pages 1, 3,...,15 with grey frame: <http://farbe.li.tu-berlin.de/AE89/AE89L0NP.PDF>

Compare for example samples 01b (White) and 01j (device red) on different pages

*The *rgb* data of all the colours are on the even pages 2, 4,...,16.*

RGBW display (projector) with additional white primary

rgb input data for D65, internal 20% reduction of r^* : $1,0 \ 0,0 \ 0,0 \rightarrow 0,8 \ 0,0 \ 0,0$

rgb input data for White, no internal display change of w^* : $1,0 \ 1,0 \ 1,0 = 1,0 \ 1,0 \ 1,0$

Result: R_{new} appears fluorescent and more chromatic on many RGB displays

R_{new} appears blackish or greyish on many RGBW displays