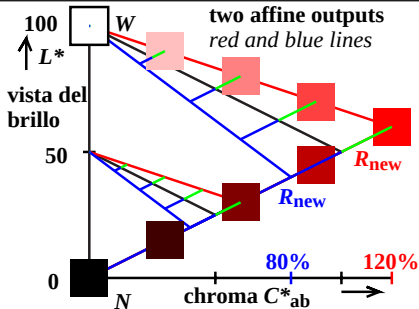
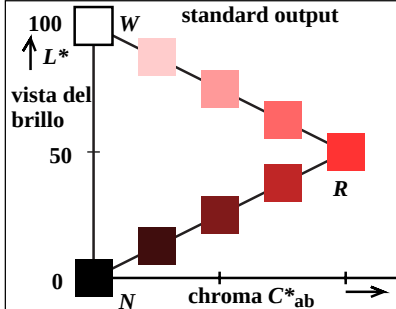




RGB display luminance $142+64 \text{ cd/m}^2$ (=+44% compared to office standard)

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