

sensation scaling functions
lightness L^* and tristimulus value Y
adaptation on surround white W
 $L^* = 100 (Y / 100)^{1/2,0}$
adaptation on surround grey Z
 $L^* = 100 (Y / 100)^{1/2,4}$
description with CIELAB 1976
 $L^* = 116 (Y / 100)^{1/3,0} - 16$
adaptation on surround black N
 $L^* = 100 (Y / 100)^{1/3,0}$

