



# Chroma™ 2017.1

## Important Changes to the Previous Version 2016.1

as at February 2019

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# New Calculations

The Chroma™ Glass Edition provides additional calculations for automotive applications according to ISO 13837 and ASTM G 173.

Name	Description	Group	Unit	
Ry	Redox y (Ardagh)	Ardagh		2
Y A/2	Tristimulus value Y for illuminant A/2° observer	Automotive		1
Y D65/10	Tristimulus value Y for illuminant D65/10° observer	Automotive		1
$\Delta L/2^*$	Halved lightness difference	Automotive		2
$\Delta E^*ab L/2$	Color difference with half lightness difference	Automotive		2
Tnir	NIR transmittance for AM 1.5	Automotive		4
Tuva	UVA transmittance for AM 1.5	Automotive		4
Tuvb	UVB transmittance for AM 1.5	Automotive		4
Tuv(400)	Solar UV transmittance for AM 1.5 (ISO 13837:2008)	Automotive	%	1
Tds(1,5)	Solar direct transmittance for AM 1.5 (ISO 13837:2008)	Automotive	%	1
Rds(1,5)	Solar direct reflectance for AM 1.5 (ISO 13837:2008)	Automotive	%	1
Tts(1,5)	Solar total transmittance for AM 1.5 and v=4 m/s (ISO 13837:2008)	Automotive	%	1
Tuv(380)	Solar UV transmittance for AM 1 (ISO 13837:2008)	Automotive	%	1
Tds(1,0)	Solar direct transmittance for AM 1 (ISO 13837:2008)	Automotive	%	1
Rds(1,0)	Solar direct reflectance for AM 1 (ISO 13837:2008)	Automotive	%	1
Tts(1,0)	Solar total transmittance for AM 1 and v=4 m/s (ISO 13837:2008)	Automotive	%	1
TSR	Solar total reflectance for AM 1.5 / 37° tilt (ASTM G 173-03)	Automotive		3

Wavelength

Select all Reset Decimals (transmittance/absorbance) 2 / 4 Add range

Measurement Analysis Archive Methods Setup

- $T_{UV}(400)$
- $T_{DS}(1,5)$
- $R_{DS}(1,5)$
- $T_{TS}(1,5)$
- $T_{UV}(380)$
- $T_{DS}(1,0)$
- $R_{DS}(1,0)$
- $T_{TS}(1,0)$
- TSR

# New Data Sources

- Shimadzu UV-1900
- Spectronic Camspec M501/M550

