

# Converting Colors - WCAG Matrix

## Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(63595A)	Hex(636263)	Hex(636C6C)	Hex(637675)	Hex(63807E)	Hex(638A87)	Hex(63948F)	Hex(639E98)	Hex(63A8A1)	Hex(63B2AA)
Hex(63595A)		Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 2.73 Failed <sup>5</sup>
Hex(636263)	Ratio: 1.11 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.45 Failed <sup>5</sup>
Hex(636C6C)	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.18 Failed <sup>5</sup>
Hex(637675)	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>
Hex(63807E)	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>
Hex(638A87)	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>
Hex(63948F)	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(639E98)	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>
Hex(63A8A1)	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>
Hex(63B2AA)	Ratio: 2.73 Failed <sup>5</sup>	Ratio: 2.45 Failed <sup>5</sup>	Ratio: 2.18 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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