

# Converting Colors - WCAG Matrix

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

	Hex(70004E)	Hex(700B52)	Hex(701655)	Hex(702258)	Hex(702D5C)	Hex(70385F)	Hex(704363)	Hex(704F66)	Hex(705A69)	Hex(70656D)
Hex(70004E)		Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>
Hex(700B52)	Ratio: 1.03 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>
Hex(701655)	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>
Hex(702258)	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>
Hex(702D5C)	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>
Hex(70385F)	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>
Hex(704363)	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.10 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>
Hex(704F66)	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>
Hex(705A69)	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.39 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>
Hex(70656D)	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.12 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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