

# Converting Colors - WCAG Matrix

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

	Hex(214789)	Hex(2F5089)	Hex(3C5889)	Hex(4A6189)	Hex(586A89)	Hex(667289)	Hex(737B89)	Hex(818489)	Hex(8F8D89)	Hex(9C9589)
Hex(214789)		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 3.04 AA 18pt <sup>2</sup>
Hex(2F5089)	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 2.69 Failed <sup>5</sup>
Hex(3C5889)	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>
Hex(4A6189)	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>
Hex(586A89)	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>
Hex(667289)	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>
Hex(737B89)	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>
Hex(818489)	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>
Hex(8F8D89)	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>
Hex(9C9589)	Ratio: 3.04 AA 18pt <sup>2</sup>	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.44 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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