

# Converting Colors - WCAG Matrix

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

	Hex(8D3867)	Hex(8D466D)	Hex(8D5474)	Hex(8D627A)	Hex(8D7080)	Hex(8D7F87)	Hex(8D8D8D)	Hex(8D9B93)	Hex(8DA999)	Hex(8DB7A0)
Hex(8D3867)		Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.19 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>
Hex(8D466D)	Ratio: 1.12 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.24 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>
Hex(8D5474)	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 2.58 Failed <sup>5</sup>
Hex(8D627A)	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>
Hex(8D7080)	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>
Hex(8D7F87)	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>
Hex(8D8D8D)	Ratio: 2.19 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>
Hex(8D9B93)	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.24 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>
Hex(8DA999)	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>
Hex(8DB7A0)	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.58 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.14 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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