

# Converting Colors - WCAG Matrix

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

**Hex(211D82) Hex(8382A8) Hex(1D7F82) Hex(3E3D54) Hex(D4D4D4) Hex(545454)**

	Hex(211D82)	Hex(8382A8)	Hex(1D7F82)	Hex(3E3D54)	Hex(D4D4D4)	Hex(545454)
Hex(211D82)		Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 9.07 Passed <sup>6</sup>	Ratio: 1.77 Failed <sup>5</sup>
Hex(8382A8)	Ratio: 3.66 AA 18pt <sup>2</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>
Hex(1D7F82)	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 2.20 Failed <sup>5</sup>	Ratio: 3.21 AA 18pt <sup>2</sup>	Ratio: 1.59 Failed <sup>5</sup>
Hex(3E3D54)	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 2.20 Failed <sup>5</sup>		Ratio: 7.08 Passed <sup>6</sup>	Ratio: 1.39 Failed <sup>5</sup>
Hex(D4D4D4)	Ratio: 9.07 Passed <sup>6</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 3.21 AA 18pt <sup>2</sup>	Ratio: 7.08 Passed <sup>6</sup>		Ratio: 5.11 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(545454)	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 5.11 AA <sup>1</sup> AAA 18pt <sup>4</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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