

# Converting Colors - WCAG Matrix

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

	Hex(332130)	Hex(FFFFFF)	Hex(624D5E)	Hex(7B6577)	Hex(957F90)	Hex(AF98AB)	Hex(CBB3C6)	Hex(E7CFE2)	Hex(FFEBFF)
Hex(332130)		Ratio: 14.99 Passed <sup>6</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.83 Failed <sup>5</sup>	Ratio: 4.08 AA 18pt <sup>2</sup>	Ratio: 5.64 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.71 Passed <sup>6</sup>	Ratio: 10.29 Passed <sup>6</sup>	Ratio: 13.26 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 14.99 Passed <sup>6</sup>		Ratio: 7.66 Passed <sup>6</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>
Hex(624D5E)	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 7.66 Passed <sup>6</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 5.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(7B6577)	Ratio: 2.83 Failed <sup>5</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 3.63 AA 18pt <sup>2</sup>	Ratio: 4.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(957F90)	Ratio: 4.08 AA 18pt <sup>2</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 2.52 Failed <sup>5</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>
Hex(AF98AB)	Ratio: 5.64 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>
Hex(CBB3C6)	Ratio: 7.71 Passed <sup>6</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>
Hex(E7CFE2)	Ratio: 10.29 Passed <sup>6</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 5.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.63 AA 18pt <sup>2</sup>	Ratio: 2.52 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>
Hex(FFEBFF)	Ratio: 13.26 Passed <sup>6</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 6.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.29 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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