

# Converting Colors - WCAG Matrix

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

Hex(FFFFFF) Hex(F2E3F4) Hex(D6C7D8) Hex(BAACBC) Hex(9F91A1) Hex(857787) Hex(6C5F6E) Hex(534755) Hex(3C313E)

	Hex(FFFFFF)	Hex(F2E3F4)	Hex(D6C7D8)	Hex(BAACBC)	Hex(9F91A1)	Hex(857787)	Hex(6C5F6E)	Hex(534755)	Hex(3C313E)
Hex(FFFFFF)		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 4.21 AA 18pt <sup>2</sup>	Ratio: 6.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 8.75 Passed <sup>6</sup>	Ratio: 12.35 Passed <sup>6</sup>
Hex(F2E3F4)	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 4.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.11 Passed <sup>6</sup>	Ratio: 10.03 Passed <sup>6</sup>
Hex(D6C7D8)	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 5.42 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.65 Passed <sup>6</sup>
Hex(BAACBC)	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 4.05 AA 18pt <sup>2</sup>	Ratio: 5.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(9F91A1)	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>
Hex(857787)	Ratio: 4.21 AA 18pt <sup>2</sup>	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>
Hex(6C5F6E)	Ratio: 6.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.46 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>
Hex(534755)	Ratio: 8.75 Passed <sup>6</sup>	Ratio: 7.11 Passed <sup>6</sup>	Ratio: 5.42 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.05 AA 18pt <sup>2</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>
Hex(3C313E)	Ratio: 12.35 Passed <sup>6</sup>	Ratio: 10.03 Passed <sup>6</sup>	Ratio: 7.65 Passed <sup>6</sup>	Ratio: 5.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.41 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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