

# Converting Colors - WCAG Matrix

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

	Hex(23385F)	Hex(FFFFFF)	Hex(556792)	Hex(6F80AC)	Hex(8999C8)	Hex(A4B4E4)	Hex(C0D0FF)	Hex(DCECFE)	Hex(F9FFFF)
Hex(23385F)		Ratio: 11.65 Passed <sup>6</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 5.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.61 Passed <sup>6</sup>	Ratio: 9.70 Passed <sup>6</sup>	Ratio: 11.53 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 11.65 Passed <sup>6</sup>		Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(556792)	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.73 Failed <sup>5</sup>	Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 4.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.55 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(6F80AC)	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 3.26 AA 18pt <sup>2</sup>	Ratio: 3.88 AA 18pt <sup>2</sup>
Hex(8999C8)	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 2.79 Failed <sup>5</sup>
Hex(A4B4E4)	Ratio: 5.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.73 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>
Hex(C0D0FF)	Ratio: 7.61 Passed <sup>6</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>
Hex(DCECFE)	Ratio: 9.70 Passed <sup>6</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 4.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.26 AA 18pt <sup>2</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>
Hex(F9FFFF)	Ratio: 11.53 Passed <sup>6</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 5.55 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.88 AA 18pt <sup>2</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.19 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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).