

# Converting Colors - WCAG Matrix

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

Hex(A2ACF7) Hex(8691DA) Hex(6B77BE) Hex(505FA3) Hex(354788) Hex(15316E) Hex(001D56) Hex(00023E) Hex(00003A)

Hex(A2ACF7)		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 5.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.46 Passed <sup>6</sup>	Ratio: 9.07 Passed <sup>6</sup>	Ratio: 9.22 Passed <sup>6</sup>
Hex(8691DA)	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 4.17 AA 18pt <sup>2</sup>	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.56 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(6B77BE)	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>	Ratio: 4.64 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.72 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(505FA3)	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.46 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.68 Failed <sup>5</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>
Hex(354788)	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 2.27 Failed <sup>5</sup>
Hex(15316E)	Ratio: 5.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.17 AA 18pt <sup>2</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>
Hex(001D56)	Ratio: 7.46 Passed <sup>6</sup>	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>	Ratio: 2.68 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>
Hex(00023E)	Ratio: 9.07 Passed <sup>6</sup>	Ratio: 6.56 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.64 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.25 AA 18pt <sup>2</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.02 Failed <sup>5</sup>
Hex(00003A)	Ratio: 9.22 Passed <sup>6</sup>	Ratio: 6.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.72 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.02 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](http://convertingcolors.com).