

# Converting Colors - WCAG Matrix

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

	Hex(03184B)	Hex(FDF9FF)	Hex(3E427D)	Hex(575A97)	Hex(7172B2)	Hex(8C8CCE)	Hex(A7A6EA)	Hex(C3C1FF)	Hex(E0DDFF)
Hex(03184B)		Ratio: 16.32 Passed <sup>6</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.68 Failed <sup>5</sup>	Ratio: 3.84 AA 18pt <sup>2</sup>	Ratio: 5.47 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.51 Passed <sup>6</sup>	Ratio: 10.02 Passed <sup>6</sup>	Ratio: 12.91 Passed <sup>6</sup>
Hex(FDF9FF)	Ratio: 16.32 Passed <sup>6</sup>		Ratio: 8.85 Passed <sup>6</sup>	Ratio: 6.09 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.24 AA 18pt <sup>2</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>
Hex(3E427D)	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 8.85 Passed <sup>6</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 4.07 AA 18pt <sup>2</sup>	Ratio: 5.43 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.00 Passed <sup>6</sup>
Hex(575A97)	Ratio: 2.68 Failed <sup>5</sup>	Ratio: 6.09 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 3.74 AA 18pt <sup>2</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(7172B2)	Ratio: 3.84 AA 18pt <sup>2</sup>	Ratio: 4.24 AA 18pt <sup>2</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.36 AA 18pt <sup>2</sup>
Hex(8C8CCE)	Ratio: 5.47 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.36 Failed <sup>5</sup>
Hex(A7A6EA)	Ratio: 7.51 Passed <sup>6</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 4.07 AA 18pt <sup>2</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 1.95 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(C3C1FF)	Ratio: 10.02 Passed <sup>6</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 5.43 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.74 AA 18pt <sup>2</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>
Hex(E0DDFF)	Ratio: 12.91 Passed <sup>6</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 7.00 Passed <sup>6</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.36 AA 18pt <sup>2</sup>	Ratio: 2.36 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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