

# Converting Colors - WCAG Matrix

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

Hex(7A97F1) Hex(5D7ED5) Hex(3F65B9) Hex(194D9D) Hex(003783) Hex(002369) Hex(000D50) Hex(000047)

	Hex(7A97F1)	Hex(5D7ED5)	Hex(3F65B9)	Hex(194D9D)	Hex(003783)	Hex(002369)	Hex(000D50)	Hex(000047)
Hex(7A97F1)		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 5.21 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.41 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.90 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(5D7ED5)	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 3.75 AA 18pt <sup>2</sup>	Ratio: 4.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(3F65B9)	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.46 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.22 AA 18pt <sup>2</sup>	Ratio: 3.46 AA 18pt <sup>2</sup>
Hex(194D9D)	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.37 Failed <sup>5</sup>
Hex(003783)	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>
Hex(002369)	Ratio: 5.21 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.75 AA 18pt <sup>2</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>
Hex(000D50)	Ratio: 6.41 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.22 AA 18pt <sup>2</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.60 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.08 Failed <sup>5</sup>
Hex(000047)	Ratio: 6.90 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.46 AA 18pt <sup>2</sup>	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.08 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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