

# Converting Colors - WCAG Matrix

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

	Hex(0B0F0D)	Hex(EBEFED)	Hex(373A38)	Hex(4E514F)	Hex(666967)	Hex(7F8280)	Hex(999C9A)	Hex(B3B7B5)	Hex(CFD3D1)
Hex(0B0F0D)		Ratio: 16.63 Passed <sup>6</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 3.47 AA 18pt <sup>2</sup>	Ratio: 4.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 9.52 Passed <sup>6</sup>	Ratio: 12.76 Passed <sup>6</sup>
Hex(EBEFED)	Ratio: 16.63 Passed <sup>6</sup>		Ratio: 9.92 Passed <sup>6</sup>	Ratio: 6.93 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.79 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>
Hex(373A38)	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 9.92 Passed <sup>6</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.61 Passed <sup>6</sup>
Hex(4E514F)	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 6.93 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 3.96 AA 18pt <sup>2</sup>	Ratio: 5.31 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(666967)	Ratio: 3.47 AA 18pt <sup>2</sup>	Ratio: 4.79 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>
Hex(7F8280)	Ratio: 4.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 2.57 Failed <sup>5</sup>
Hex(999C9A)	Ratio: 6.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>
Hex(B3B7B5)	Ratio: 9.52 Passed <sup>6</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.96 AA 18pt <sup>2</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>
Hex(CFD3D1)	Ratio: 12.76 Passed <sup>6</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 7.61 Passed <sup>6</sup>	Ratio: 5.31 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>	Ratio: 2.57 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.34 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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