

# Converting Colors - WCAG Matrix

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

	Hex(D9CD89)	Hex(BDB26F)	Hex(A19756)	Hex(867D3E)	Hex(6C6426)	Hex(524D0E)	Hex(3A3600)	Hex(222100)	Hex(000B00)	Hex(000000)
Hex(D9CD89)		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.60 Failed <sup>5</sup>	Ratio: 3.74 AA 18pt <sup>2</sup>	Ratio: 5.38 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.64 Passed <sup>6</sup>	Ratio: 10.15 Passed <sup>6</sup>	Ratio: 12.45 Passed <sup>6</sup>	Ratio: 13.04 Passed <sup>6</sup>
Hex(BDB26F)	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 5.72 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.59 Passed <sup>6</sup>	Ratio: 9.32 Passed <sup>6</sup>	Ratio: 9.76 Passed <sup>6</sup>
Hex(A19756)	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 5.50 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.75 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.08 Passed <sup>6</sup>
Hex(867D3E)	Ratio: 2.60 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 3.90 AA 18pt <sup>2</sup>	Ratio: 4.79 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.02 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(6C6426)	Ratio: 3.74 AA 18pt <sup>2</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 3.33 AA 18pt <sup>2</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>
Hex(524D0E)	Ratio: 5.38 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>
Hex(3A3600)	Ratio: 7.64 Passed <sup>6</sup>	Ratio: 5.72 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>
Hex(222100)	Ratio: 10.15 Passed <sup>6</sup>	Ratio: 7.59 Passed <sup>6</sup>	Ratio: 5.50 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.90 AA 18pt <sup>2</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>
Hex(000B00)	Ratio: 12.45 Passed <sup>6</sup>	Ratio: 9.32 Passed <sup>6</sup>	Ratio: 6.75 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.79 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.33 AA 18pt <sup>2</sup>	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(000000)	Ratio: 13.04 Passed <sup>6</sup>	Ratio: 9.76 Passed <sup>6</sup>	Ratio: 7.08 Passed <sup>6</sup>	Ratio: 5.02 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.05 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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