

# Converting Colors - WCAG Matrix

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

	Hex(C7DC84)	Hex(ABC06A)	Hex(90A551)	Hex(758B38)	Hex(5B711F)	Hex(425902)	Hex(2B4100)	Hex(112B00)	Hex(001800)	Hex(000000)
Hex(C7DC84)		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 5.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.53 Passed <sup>6</sup>	Ratio: 10.22 Passed <sup>6</sup>	Ratio: 12.38 Passed <sup>6</sup>	Ratio: 14.00 Passed <sup>6</sup>
Hex(ABC06A)	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 5.64 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.65 Passed <sup>6</sup>	Ratio: 9.27 Passed <sup>6</sup>	Ratio: 10.48 Passed <sup>6</sup>
Hex(90A551)	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.80 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.69 Passed <sup>6</sup>
Hex(758B38)	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 4.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(5B711F)	Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 3.38 AA 18pt <sup>2</sup>	Ratio: 3.83 AA 18pt <sup>2</sup>
Hex(425902)	Ratio: 5.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>
Hex(2B4100)	Ratio: 7.53 Passed <sup>6</sup>	Ratio: 5.64 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>
Hex(112B00)	Ratio: 10.22 Passed <sup>6</sup>	Ratio: 7.65 Passed <sup>6</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>
Hex(001800)	Ratio: 12.38 Passed <sup>6</sup>	Ratio: 9.27 Passed <sup>6</sup>	Ratio: 6.80 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.38 AA 18pt <sup>2</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>
Hex(000000)	Ratio: 14.00 Passed <sup>6</sup>	Ratio: 10.48 Passed <sup>6</sup>	Ratio: 7.69 Passed <sup>6</sup>	Ratio: 5.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.83 AA 18pt <sup>2</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.13 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.