

# Converting Colors - WCAG Matrix

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

Hex(5D805C) Hex(446744) Hex(2D4F2E) Hex(163719) Hex(012200) Hex(000100) Hex(000000)

	Hex(5D805C)	Hex(446744)	Hex(2D4F2E)	Hex(163719)	Hex(012200)	Hex(000100)	Hex(000000)
Hex(5D805C)		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 3.83 AA 18pt <sup>2</sup>	Ratio: 4.69 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(446744)	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 3.26 AA 18pt <sup>2</sup>	Ratio: 3.27 AA 18pt <sup>2</sup>
Hex(2D4F2E)	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 2.27 Failed <sup>5</sup>
Hex(163719)	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>
Hex(012200)	Ratio: 3.83 AA 18pt <sup>2</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>
Hex(000100)	Ratio: 4.69 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.26 AA 18pt <sup>2</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.00 Failed <sup>5</sup>
Hex(000000)	Ratio: 4.71 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.27 AA 18pt <sup>2</sup>	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.00 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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