

Converting Colors - WCAG Matrix

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

	Hex(D4815E)	Hex(B66746)	Hex(994F2F)	Hex(7D3719)	Hex(611F00)	Hex(460600)	Hex(2D0000)	Hex(000000)
Hex(D4815E)		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶
Hex(B66746)	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(994F2F)	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(7D3719)	Ratio: 2.92 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(611F00)	Ratio: 4.17 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(460600)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(2D0000)	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 7.10 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.11 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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