

Converting Colors - WCAG Matrix

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

	Hex(F6675)	Hex(E0495C)	Hex(C12B45)	Hex(A2002F)	Hex(84001B)	Hex(660000)	Hex(490002)	Hex(2B0001)	Hex(000000)
Hex(F6675)		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶
Hex(E0495C)	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴
Hex(C12B45)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(A2002F)	Ratio: 2.87 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(84001B)	Ratio: 3.71 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(660000)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(490002)	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(2B0001)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 7.41 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.10 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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