

Converting Colors - WCAG Matrix

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

	Hex(F24662)	Hex(D2234B)	Hex(B30034)	Hex(940020)	Hex(750009)	Hex(570001)	Hex(3A0002)	Hex(110000)	Hex(000000)
Hex(F24662)		Ratio: 1.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 5.83 AA ¹ AAA 18pt ⁴
Hex(D2234B)	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(B30034)	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(940020)	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(750009)	Ratio: 3.31 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(570001)	Ratio: 4.15 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(3A0002)	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(110000)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.02 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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