

Converting Colors - WCAG Matrix

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

	Hex(F26161)	Hex(D4454A)	Hex(B52633)	Hex(94001C)	Hex(780005)	Hex(590000)	Hex(3D0003)	Hex(1C0000)	Hex(000000)
Hex(F26161)		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴
Hex(D4454A)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(B52633)	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.29 AA 18pt ²
Hex(94001C)	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(780005)	Ratio: 3.70 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(590000)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(3D0003)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(1C0000)	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.05 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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