

Converting Colors - WCAG Matrix

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

	Hex(E56689)	Hex(C74B70)	Hex(AA2E57)	Hex(8D0940)	Hex(70002B)	Hex(540016)	Hex(3B0002)	Hex(140000)	Hex(000000)
Hex(E56689)		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴
Hex(C74B70)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴
Hex(AA2E57)	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.24 AA 18pt ²
Hex(8D0940)	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(70002B)	Ratio: 3.82 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(540016)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(3B0002)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(140000)	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.03 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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