

Converting Colors - WCAG Matrix

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

Hex(410EA1) Hex(AC99D1) Hex(0E70A1) Hex(534769) Hex(E8E8E8) Hex(696969)

	Hex(410EA1)	Hex(AC99D1)	Hex(0E70A1)	Hex(534769)	Hex(E8E8E8)	Hex(696969)
Hex(410EA1)		Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 2.14 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 9.51 Passed ⁶	Ratio: 2.12 Failed ⁵
Hex(AC99D1)	Ratio: 4.57 AA ¹ AAA 18pt ⁴		Ratio: 2.14 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(0E70A1)	Ratio: 2.14 Failed ⁵	Ratio: 2.14 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 4.45 AA 18pt ²	Ratio: 1.01 Failed ⁵
Hex(534769)	Ratio: 1.37 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 1.56 Failed ⁵		Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 1.55 Failed ⁵
Hex(E8E8E8)	Ratio: 9.51 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 4.45 AA 18pt ²	Ratio: 6.93 AA ¹ AAA 18pt ⁴		Ratio: 4.48 AA 18pt ²
Hex(696969)	Ratio: 2.12 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 4.48 AA 18pt ²	

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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