

Converting Colors - WCAG Matrix

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

	Hex(ACC6C6)	Hex(91ABAB)	Hex(779090)	Hex(5E7777)	Hex(465E5E)	Hex(2F4646)	Hex(193030)	Hex(031B1B)	Hex(000000)
Hex(ACC6C6)		Ratio: 1.35 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.90 Passed ⁶	Ratio: 11.65 Passed ⁶
Hex(91ABAB)	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 8.62 Passed ⁶
Hex(779090)	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.18 AA ¹ AAA 18pt ⁴
Hex(5E7777)	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.38 AA 18pt ²
Hex(465E5E)	Ratio: 3.85 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(2F4646)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(193030)	Ratio: 7.73 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(031B1B)	Ratio: 9.90 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 11.65 Passed ⁶	Ratio: 8.62 Passed ⁶	Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 4.38 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.18 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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