

Converting Colors - WCAG Matrix

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

Hex(A1A0A0) Hex(D1D1D1) Hex(A0A0A1) Hex(525252) Hex(910002) Hex(120000)

Hex(A1A0A0)		Ratio: 1.71 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.65 AA 18pt ²	Ratio: 7.85 Passed ⁶
Hex(D1D1D1)	Ratio: 1.71 Failed ⁵		Ratio: 1.71 Failed ⁵	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 13.41 Passed ⁶
Hex(A0A0A1)	Ratio: 1.00 Failed ⁵	Ratio: 1.71 Failed ⁵		Ratio: 2.99 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 7.84 Passed ⁶
Hex(525252)	Ratio: 3.00 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 2.99 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(910002)	Ratio: 3.65 AA 18pt ²	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 1.22 Failed ⁵		Ratio: 2.15 Failed ⁵
Hex(120000)	Ratio: 7.85 Passed ⁶	Ratio: 13.41 Passed ⁶	Ratio: 7.84 Passed ⁶	Ratio: 2.62 Failed ⁵	Ratio: 2.15 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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