

Converting Colors - WCAG Matrix

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

Hex(A39191) Hex(D4B8B8) Hex(A39A91) Hex(524949) Hex(910000) Hex(120000)

	Hex(A39191)	Hex(D4B8B8)	Hex(A39A91)	Hex(524949)	Hex(910000)	Hex(120000)
Hex(A39191)		Ratio: 1.62 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 6.84 AA ¹ AAA 18pt ⁴
Hex(D4B8B8)	Ratio: 1.62 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 11.06 Passed ⁶
Hex(A39A91)	Ratio: 1.08 Failed ⁵	Ratio: 1.50 Failed ⁵		Ratio: 3.15 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 7.40 Passed ⁶
Hex(524949)	Ratio: 2.91 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.15 AA 18pt ²		Ratio: 1.09 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(910000)	Ratio: 3.18 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 1.09 Failed ⁵		Ratio: 2.15 Failed ⁵
Hex(120000)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 11.06 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 2.35 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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