

Converting Colors - WCAG Matrix

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

Hex(1A0148) Hex(4C425E) Hex(012F48) Hex(251F30) Hex(B0B0B0) Hex(303030)

	Hex(1A0148)	Hex(4C425E)	Hex(012F48)	Hex(251F30)	Hex(B0B0B0)	Hex(303030)
Hex(1A0148)		Ratio: 1.97 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 8.48 Passed ⁶	Ratio: 1.39 Failed ⁵
Hex(4C425E)	Ratio: 1.97 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 4.31 AA 18pt ²	Ratio: 1.41 Failed ⁵
Hex(012F48)	Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(251F30)	Ratio: 1.15 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 7.35 Passed ⁶	Ratio: 1.21 Failed ⁵
Hex(B0B0B0)	Ratio: 8.48 Passed ⁶	Ratio: 4.31 AA 18pt ²	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶		Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(303030)	Ratio: 1.39 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 6.09 AA ¹ AAA 18pt ⁴	

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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