

Converting Colors - WCAG Matrix

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

Hex(302A1D) Hex(403D38) Hex(301D24) Hex(21201D) Hex(A1A1A1) Hex(212121)

	Hex(302A1D)	Hex(403D38)	Hex(301D24)	Hex(21201D)	Hex(A1A1A1)	Hex(212121)
Hex(302A1D)		Ratio: 1.32 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵
Hex(403D38)	Ratio: 1.32 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 1.49 Failed ⁵
Hex(301D24)	Ratio: 1.11 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(21201D)	Ratio: 1.14 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(A1A1A1)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.13 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 6.23 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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