

Converting Colors - WCAG Matrix

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

Hex(403D3B) Hex(545452) Hex(403B3D) Hex(2B2B29) Hex(ABABAB) Hex(2B2B2B)

	Hex(403D3B)	Hex(545452)	Hex(403B3D)	Hex(2B2B29)	Hex(ABABAB)	Hex(2B2B2B)
Hex(403D3B)		Ratio: 1.42 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 1.31 Failed ⁵
Hex(545452)	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 1.87 Failed ⁵
Hex(403B3D)	Ratio: 1.02 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵
Hex(2B2B29)	Ratio: 1.32 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵
Hex(ABABAB)	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 6.18 AA ¹ AAA 18pt ⁴		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.31 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 6.17 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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