

Converting Colors - WCAG Matrix

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

Hex(4F202F) Hex(66545A) Hex(40204F) Hex(33282B) Hex(B3B3B3) Hex(333333)

	Hex(4F202F)	Hex(66545A)	Hex(40204F)	Hex(33282B)	Hex(B3B3B3)	Hex(333333)
Hex(4F202F)		Ratio: 1.89 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(66545A)	Ratio: 1.89 Failed ⁵		Ratio: 1.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 1.79 Failed ⁵
Hex(40204F)	Ratio: 1.03 Failed ⁵	Ratio: 1.94 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(33282B)	Ratio: 1.07 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(B3B3B3)	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴		Ratio: 6.03 AA ¹ AAA 18pt ⁴
Hex(333333)	Ratio: 1.05 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 6.03 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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