

Converting Colors - WCAG Matrix

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

Hex(B82525) Hex(F0B6B6) Hex(B825B8) Hex(785555) Hex(F7F7F7) Hex(787878)

	Hex(B82525)	Hex(F0B6B6)	Hex(B825B8)	Hex(785555)	Hex(F7F7F7)	Hex(787878)
Hex(B82525)		Ratio: 3.63 AA 18pt ²	Ratio: 1.20 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵
Hex(F0B6B6)	Ratio: 3.63 AA 18pt ²		Ratio: 3.02 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 1.62 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(B825B8)	Ratio: 1.20 Failed ⁵	Ratio: 3.02 AA 18pt ²		Ratio: 1.24 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵
Hex(785555)	Ratio: 1.03 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 1.24 Failed ⁵		Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 1.47 Failed ⁵
Hex(F7F7F7)	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 1.62 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴		Ratio: 4.12 AA 18pt ²
Hex(787878)	Ratio: 1.43 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 4.12 AA 18pt ²	

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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