

Converting Colors - WCAG Matrix

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

Hex(B836AE) Hex(F0BDEC) Hex(3E36B8) Hex(785A75) Hex(F7F7F7) Hex(787878)

Hex(B836AE)		Ratio: 3.16 AA 18pt ²	Ratio: 1.72 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(F0BDEC)	Ratio: 3.16 AA 18pt ²		Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 1.49 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(3E36B8)	Ratio: 1.72 Failed ⁵	Ratio: 5.44 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 8.08 Passed ⁶	Ratio: 1.96 Failed ⁵
Hex(785A75)	Ratio: 1.19 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 1.35 Failed ⁵
Hex(F7F7F7)	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 1.49 Failed ⁵	Ratio: 8.08 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴		Ratio: 4.12 AA 18pt ²
Hex(787878)	Ratio: 1.14 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.35 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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