

Converting Colors - WCAG Matrix

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

Hex(B7A3E8) Hex(EFE8FF) Hex(A3D4E8) Hex(767180) Hex(000000) Hex(808080)

Hex(B7A3E8)	Ratio: 1.87 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 9.42 Passed ⁶	Ratio: 1.77 Failed ⁵
Hex(EFE8FF)	Ratio: 1.87 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 17.66 Passed ⁶
Hex(A3D4E8)	Ratio: 1.40 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 2.96 Failed ⁵	Ratio: 13.14 Passed ⁶
Hex(767180)	Ratio: 2.12 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 2.96 Failed ⁵		Ratio: 4.44 AA 18pt ²
Hex(000000)	Ratio: 9.42 Passed ⁶	Ratio: 17.66 Passed ⁶	Ratio: 13.14 Passed ⁶	Ratio: 4.44 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.77 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 5.32 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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