

Converting Colors - WCAG Matrix

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

Hex(BB84E1) Hex(F2E0FF) Hex(84AAE1) Hex(786E80) Hex(000000) Hex(808080)

	Hex(BB84E1)	Hex(F2E0FF)	Hex(84AAE1)	Hex(786E80)	Hex(000000)	Hex(808080)
Hex(BB84E1)		Ratio: 2.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 7.50 Passed ⁶	Ratio: 1.41 Failed ⁵
Hex(F2E0FF)	Ratio: 2.25 Failed ⁵		Ratio: 1.91 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 16.88 Passed ⁶	Ratio: 3.17 AA 18pt ²
Hex(84AAE1)	Ratio: 1.18 Failed ⁵	Ratio: 1.91 Failed ⁵		Ratio: 2.03 Failed ⁵	Ratio: 8.82 Passed ⁶	Ratio: 1.66 Failed ⁵
Hex(786E80)	Ratio: 1.73 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 2.03 Failed ⁵		Ratio: 4.34 AA 18pt ²	Ratio: 1.22 Failed ⁵
Hex(000000)	Ratio: 7.50 Passed ⁶	Ratio: 16.88 Passed ⁶	Ratio: 8.82 Passed ⁶	Ratio: 4.34 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.41 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 1.66 Failed ⁵	Ratio: 1.22 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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