

Converting Colors - WCAG Matrix

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

Hex(B5CFCF) Hex(F5FFFF) Hex(B5CFB5) Hex(788080) Hex(000000) Hex(808080)

	Hex(B5CFCF)	Hex(F5FFFF)	Hex(B5CFB5)	Hex(788080)	Hex(000000)	Hex(808080)
Hex(B5CFCF)		Ratio: 1.61 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 12.79 Passed ⁶	Ratio: 2.41 Failed ⁵
Hex(F5FFFF)	Ratio: 1.61 Failed ⁵		Ratio: 1.64 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 20.63 Passed ⁶	Ratio: 3.88 AA 18pt ²
Hex(B5CFB5)	Ratio: 1.02 Failed ⁵	Ratio: 1.64 Failed ⁵		Ratio: 2.42 Failed ⁵	Ratio: 12.56 Passed ⁶	Ratio: 2.36 Failed ⁵
Hex(788080)	Ratio: 2.46 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 2.42 Failed ⁵		Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 12.79 Passed ⁶	Ratio: 20.63 Passed ⁶	Ratio: 12.56 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.41 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.02 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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