

Converting Colors - WCAG Matrix

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

Hex(BDBBEA) Hex(F0F0FF) Hex(BBE8EA) Hex(777780) Hex(000000) Hex(808080)

	Hex(BDBBEA)	Hex(F0F0FF)	Hex(BBE8EA)	Hex(777780)	Hex(000000)	Hex(808080)
Hex(BDBBEA)		Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 11.46 Passed ⁶	Ratio: 2.16 Failed ⁵
Hex(F0F0FF)	Ratio: 1.62 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 18.61 Passed ⁶	Ratio: 3.50 AA 18pt ²
Hex(BBE8EA)	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 3.35 AA 18pt ²	Ratio: 15.84 Passed ⁶	Ratio: 2.98 Failed ⁵
Hex(777780)	Ratio: 2.42 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 3.35 AA 18pt ²		Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 11.46 Passed ⁶	Ratio: 18.61 Passed ⁶	Ratio: 15.84 Passed ⁶	Ratio: 4.73 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.16 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 1.12 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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