

Converting Colors - WCAG Matrix

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

Hex(FA6BA4) Hex(FFD4E5) Hex(C16BFA) Hex(806670) Hex(000000) Hex(808080)

Hex(FA6BA4)		Ratio: 2.05 Failed⁵	Ratio: 1.14 Failed⁵	Ratio: 1.90 Failed⁵	Ratio: 7.70 Passed⁶	Ratio: 1.45 Failed⁵
Hex(FFD4E5)	Ratio: 2.05 Failed⁵		Ratio: 2.34 Failed⁵	Ratio: 3.90 AA 18pt²	Ratio: 15.80 Passed⁶	Ratio: 2.97 Failed⁵
Hex(C16BFA)	Ratio: 1.14 Failed⁵	Ratio: 2.34 Failed⁵		Ratio: 1.67 Failed⁵	Ratio: 6.75 AA¹ AAA 18pt⁴	Ratio: 1.27 Failed⁵
Hex(806670)	Ratio: 1.90 Failed⁵	Ratio: 3.90 AA 18pt²	Ratio: 1.67 Failed⁵		Ratio: 4.05 AA 18pt²	Ratio: 1.31 Failed⁵
Hex(000000)	Ratio: 7.70 Passed⁶	Ratio: 15.80 Passed⁶	Ratio: 6.75 AA¹ AAA 18pt⁴	Ratio: 4.05 AA 18pt²		Ratio: 5.32 AA¹ AAA 18pt⁴
Hex(808080)	Ratio: 1.45 Failed⁵	Ratio: 2.97 Failed⁵	Ratio: 1.27 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 5.32 AA¹ AAA 18pt⁴	

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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