

Converting Colors - WCAG Matrix

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

Hex(D080CD) Hex(FFE3FE) Hex(8380D0) Hex(806F7F) Hex(000000) Hex(808080)

	Hex(D080CD)	Hex(FFE3FE)	Hex(8380D0)	Hex(806F7F)	Hex(000000)	Hex(808080)
Hex(D080CD)		Ratio: 2.31 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 7.65 Passed ⁶	Ratio: 1.44 Failed ⁵
Hex(FFE3FE)	Ratio: 2.31 Failed ⁵		Ratio: 2.96 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 17.67 Passed ⁶	Ratio: 3.32 AA 18pt ²
Hex(8380D0)	Ratio: 1.28 Failed ⁵	Ratio: 2.96 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(806F7F)	Ratio: 1.70 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 1.33 Failed ⁵		Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 7.65 Passed ⁶	Ratio: 17.67 Passed ⁶	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.44 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 1.12 Failed ⁵	Ratio: 1.18 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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