

Converting Colors - WCAG Matrix

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

Hex(DD0028) Hex(FFB3C0) Hex(B400DD) Hex(80525A) Hex(000000) Hex(808080)

	Hex(DD0028)	Hex(FFB3C0)	Hex(B400DD)	Hex(80525A)	Hex(000000)	Hex(808080)
Hex(DD0028)		Ratio: 3.04 AA 18pt ²	Ratio: 1.03 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 1.30 Failed ⁵
Hex(FFB3C0)	Ratio: 3.04 AA 18pt ²		Ratio: 3.13 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 12.46 Passed ⁶	Ratio: 2.34 Failed ⁵
Hex(B400DD)	Ratio: 1.03 Failed ⁵	Ratio: 3.13 AA 18pt ²		Ratio: 1.22 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 1.33 Failed ⁵
Hex(80525A)	Ratio: 1.25 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 1.22 Failed ⁵		Ratio: 3.27 AA 18pt ²	Ratio: 1.62 Failed ⁵
Hex(000000)	Ratio: 4.10 AA 18pt ²	Ratio: 12.46 Passed ⁶	Ratio: 3.98 AA 18pt ²	Ratio: 3.27 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.30 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.62 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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