

Converting Colors - WCAG Matrix

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

Hex(8900F0) Hex(DEB3FF) Hex(0068F0) Hex(6C5280) Hex(000000) Hex(808080)

	Hex(8900F0)	Hex(DEB3FF)	Hex(0068F0)	Hex(6C5280)	Hex(000000)	Hex(808080)
Hex(8900F0)		Ratio: 3.61 AA 18pt ²	Ratio: 1.28 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(DEB3FF)	Ratio: 3.61 AA 18pt ²		Ratio: 2.83 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 12.00 Passed ⁶	Ratio: 2.26 Failed ⁵
Hex(0068F0)	Ratio: 1.28 Failed ⁵	Ratio: 2.83 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 1.25 Failed ⁵
Hex(6C5280)	Ratio: 1.05 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 1.34 Failed ⁵		Ratio: 3.16 AA 18pt ²	Ratio: 1.68 Failed ⁵
Hex(000000)	Ratio: 3.32 AA 18pt ²	Ratio: 12.00 Passed ⁶	Ratio: 4.24 AA 18pt ²	Ratio: 3.16 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.60 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.68 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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