

Converting Colors - WCAG Matrix

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

Hex(DE46F0) Hex(F9C9FF) Hex(465AF0) Hex(7C6080) Hex(000000) Hex(808080)

	Hex(DE46F0)	Hex(F9C9FF)	Hex(465AF0)	Hex(7C6080)	Hex(000000)	Hex(808080)
Hex(DE46F0)		Ratio: 2.38 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(F9C9FF)	Ratio: 2.38 Failed ⁵		Ratio: 3.72 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 14.83 Passed ⁶	Ratio: 2.79 Failed ⁵
Hex(465AF0)	Ratio: 1.57 Failed ⁵	Ratio: 3.72 AA 18pt ²		Ratio: 1.04 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 1.34 Failed ⁵
Hex(7C6080)	Ratio: 1.62 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 1.04 Failed ⁵		Ratio: 3.84 AA 18pt ²	Ratio: 1.38 Failed ⁵
Hex(000000)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 14.83 Passed ⁶	Ratio: 3.98 AA 18pt ²	Ratio: 3.84 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.17 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.38 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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