

Converting Colors - WCAG Matrix

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

Hex(7433FF) Hex(D5C2FF) Hex(33BEFF) Hex(665B7F) Hex(000000) Hex(808080)

	Hex(7433FF)	Hex(D5C2FF)	Hex(33BEFF)	Hex(665B7F)	Hex(000000)	Hex(808080)
Hex(7433FF)		Ratio: 3.55 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 1.45 Failed ⁵
Hex(D5C2FF)	Ratio: 3.55 AA 18pt ²		Ratio: 1.31 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 12.99 Passed ⁶	Ratio: 2.44 Failed ⁵
Hex(33BEFF)	Ratio: 2.72 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 2.95 Failed ⁵	Ratio: 9.95 Passed ⁶	Ratio: 1.87 Failed ⁵
Hex(665B7F)	Ratio: 1.09 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.95 Failed ⁵		Ratio: 3.37 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(000000)	Ratio: 3.66 AA 18pt ²	Ratio: 12.99 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 3.37 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.45 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.58 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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