

Converting Colors - WCAG Matrix

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

Hex(6911EE) Hex(D4B8FF) Hex(1199EE) Hex(655480) Hex(000000) Hex(808080)

	Hex(6911EE)	Hex(D4B8FF)	Hex(1199EE)	Hex(655480)	Hex(000000)	Hex(808080)
Hex(6911EE)		Ratio: 4.15 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(D4B8FF)	Ratio: 4.15 AA 18pt ²		Ratio: 1.78 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 12.10 Passed ⁶	Ratio: 2.28 Failed ⁵
Hex(1199EE)	Ratio: 2.34 Failed ⁵	Ratio: 1.78 Failed ⁵		Ratio: 2.18 Failed ⁵	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.28 Failed ⁵
Hex(655480)	Ratio: 1.07 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.18 Failed ⁵		Ratio: 3.13 AA 18pt ²	Ratio: 1.70 Failed ⁵
Hex(000000)	Ratio: 2.92 Failed ⁵	Ratio: 12.10 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.82 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.70 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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