

Converting Colors - WCAG Matrix

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

Hex(66D4FF) Hex(D1F2FF) Hex(66FF91) Hex(637880) Hex(000000) Hex(808080)

	Hex(66D4FF)	Hex(D1F2FF)	Hex(66FF91)	Hex(637880)	Hex(000000)	Hex(808080)
Hex(66D4FF)		Ratio: 1.44 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 12.43 Passed ⁶	Ratio: 2.34 Failed ⁵
Hex(D1F2FF)	Ratio: 1.44 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 17.86 Passed ⁶	Ratio: 3.36 AA 18pt ²
Hex(66FF91)	Ratio: 1.31 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 3.59 AA 18pt ²	Ratio: 16.28 Passed ⁶	Ratio: 3.06 AA 18pt ²
Hex(637880)	Ratio: 2.74 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 3.59 AA 18pt ²		Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 12.43 Passed ⁶	Ratio: 17.86 Passed ⁶	Ratio: 16.28 Passed ⁶	Ratio: 4.53 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.34 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 1.17 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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