

Converting Colors - WCAG Matrix

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

	Hex(DADDFF)	Hex(C1C5FF)	Hex(A7ADFF)	Hex(8E96FF)	Hex(747EFF)	Hex(5B66FF)	Hex(414EFF)	Hex(2837FF)	Hex(0E1FFF)	Hex(0012FF)
Hex(DADDFF)		Ratio: 1.24 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(C1C5FF)	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.12 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(A7ADFF)	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.79 AA 18pt ²	Ratio: 3.98 AA 18pt ²
Hex(8E96FF)	Ratio: 1.98 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(747EFF)	Ratio: 2.56 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(5B66FF)	Ratio: 3.29 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(414EFF)	Ratio: 4.20 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(2837FF)	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(0E1FFF)	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(0012FF)	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.05 Failed ⁵	

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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