

Converting Colors - WCAG Matrix

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

	Hex(2E25DA)	Hex(433BDA)	Hex(5851DA)	Hex(6C67DA)	Hex(817CDA)	Hex(9692DA)	Hex(AAA8DA)	Hex(BFBEDA)	Hex(D4D3DA)	Hex(E8E9DA)
Hex(2E25DA)		Ratio: 1.20 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.90 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶
Hex(433BDA)	Ratio: 1.20 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴
Hex(5851DA)	Ratio: 1.51 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(6C67DA)	Ratio: 1.92 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.73 AA 18pt ²
Hex(817CDA)	Ratio: 2.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(9692DA)	Ratio: 3.10 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(AAA8DA)	Ratio: 3.90 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(BFBEDA)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(D4D3DA)	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(E8E9DA)	Ratio: 7.14 Passed ⁶	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 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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