

Converting Colors - WCAG Matrix

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

	Hex(271B2E)	Hex(FFFFFF)	Hex(54465C)	Hex(6D5E74)	Hex(86778E)	Hex(A091A9)	Hex(BBABC4)	Hex(D7C6E0)	Hex(F4E2FC)
Hex(271B2E)		Ratio: 16.38 Passed ⁶	Ratio: 1.88 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 13.36 Passed ⁶
Hex(FFFFFF)	Ratio: 16.38 Passed ⁶		Ratio: 8.72 Passed ⁶	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(54465C)	Ratio: 1.88 Failed ⁵	Ratio: 8.72 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶
Hex(6D5E74)	Ratio: 2.73 Failed ⁵	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(86778E)	Ratio: 3.93 AA 18pt ²	Ratio: 4.16 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(A091A9)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 2.95 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(BBABC4)	Ratio: 7.59 Passed ⁶	Ratio: 2.16 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(D7C6E0)	Ratio: 10.17 Passed ⁶	Ratio: 1.61 Failed ⁵	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(F4E2FC)	Ratio: 13.36 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 7.12 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 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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