

Converting Colors - WCAG Matrix

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

Hex(D656B5) Hex(FF47D0) Hex(D6B656) Hex(6B6068) Hex(AB007F) Hex(2B0020)

	Hex(D656B5)	Hex(FF47D0)	Hex(D6B656)	Hex(6B6068)	Hex(AB007F)	Hex(2B0020)
Hex(D656B5)		Ratio: 1.21 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(FF47D0)	Ratio: 1.21 Failed ⁵		Ratio: 1.51 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 6.29 AA ¹ AAA 18pt ⁴
Hex(D6B656)	Ratio: 1.82 Failed ⁵	Ratio: 1.51 Failed ⁵		Ratio: 3.05 AA 18pt ²	Ratio: 3.52 AA 18pt ²	Ratio: 9.51 Passed ⁶
Hex(6B6068)	Ratio: 1.67 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 3.05 AA 18pt ²		Ratio: 1.15 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(AB007F)	Ratio: 1.93 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 1.15 Failed ⁵		Ratio: 2.70 Failed ⁵
Hex(2B0020)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 9.51 Passed ⁶	Ratio: 3.11 AA 18pt ²	Ratio: 2.70 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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