

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(DE56B8) Hex(FF42CA) Hex(76DE56) Hex(70656D) Hex(B0007F) Hex(300023)

Hex(DE56B8)		Ratio: 1.12 Failed⁵	Ratio: 2.02 Failed⁵	Ratio: 1.63 Failed⁵	Ratio: 1.94 Failed⁵	Ratio: 5.33 AA¹ AAA 18pt⁴
Hex(FF42CA)	Ratio: 1.12 Failed⁵		Ratio: 1.79 Failed⁵	Ratio: 1.83 Failed⁵	Ratio: 2.18 Failed⁵	Ratio: 5.99 AA¹ AAA 18pt⁴
Hex(76DE56)	Ratio: 2.02 Failed⁵	Ratio: 1.79 Failed⁵		Ratio: 3.28 AA 18pt²	Ratio: 3.92 AA 18pt²	Ratio: 10.74 Passed⁶
Hex(70656D)	Ratio: 1.63 Failed⁵	Ratio: 1.83 Failed⁵	Ratio: 3.28 AA 18pt²		Ratio: 1.20 Failed⁵	Ratio: 3.28 AA 18pt²
Hex(B0007F)	Ratio: 1.94 Failed⁵	Ratio: 2.18 Failed⁵	Ratio: 3.92 AA 18pt²	Ratio: 1.20 Failed⁵		Ratio: 2.74 Failed⁵
Hex(300023)	Ratio: 5.33 AA¹ AAA 18pt⁴	Ratio: 5.99 AA¹ AAA 18pt⁴	Ratio: 10.74 Passed⁶	Ratio: 3.28 AA 18pt²	Ratio: 2.74 Failed⁵	

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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