

Converting Colors - WCAG Matrix

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

	Hex(DE2D5D)	Hex(BF0046)	Hex(A00030)	Hex(81001C)	Hex(630001)	Hex(460004)	Hex(250001)	Hex(000000)
Hex(DE2D5D)		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(BF0046)	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.30 AA 18pt ²
Hex(A00030)	Ratio: 1.83 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(81001C)	Ratio: 2.38 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(630001)	Ratio: 3.03 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(460004)	Ratio: 3.68 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(250001)	Ratio: 4.30 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.08 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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