

Converting Colors - WCAG Matrix

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

	Hex(412418)	Hex(41291F)	Hex(412D25)	Hex(41322C)	Hex(413732)	Hex(413B39)	Hex(414040)	Hex(414546)	Hex(41494D)	Hex(414E53)
Hex(412418)		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(41291F)	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(412D25)	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(41322C)	Ratio: 1.15 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(413732)	Ratio: 1.22 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(413B39)	Ratio: 1.28 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(414040)	Ratio: 1.36 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(414546)	Ratio: 1.45 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(41494D)	Ratio: 1.53 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(414E53)	Ratio: 1.64 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.07 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.