

Converting Colors - WCAG Matrix

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

	Hex(A1A1A1)	Hex(A19191)	Hex(A18282)	Hex(A17070)	Hex(A16161)	Hex(A14F4F)	Hex(A14040)	Hex(A13030)	Hex(A12121)	Hex(A10F0F)
Hex(A1A1A1)		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(A19191)	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(A18282)	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(A17070)	Ratio: 1.60 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(A16161)	Ratio: 1.85 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(A14F4F)	Ratio: 2.17 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(A14040)	Ratio: 2.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(A13030)	Ratio: 2.73 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(A12121)	Ratio: 2.95 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(A10F0F)	Ratio: 3.14 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 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.