

# Converting Colors - WCAG Matrix

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

Hex(DFE3A2) Hex(FEFFE8) Hex(E3A5A2) Hex(7F8071) Hex(000000) Hex(808080)

	Hex(DFE3A2)	Hex(FEFFE8)	Hex(E3A5A2)	Hex(7F8071)	Hex(000000)	Hex(808080)
Hex(DFE3A2)		Ratio: <a href="#">1.32</a> Failed <sup>5</sup>	Ratio: <a href="#">1.54</a> Failed <sup>5</sup>	Ratio: <a href="#">2.99</a> Failed <sup>5</sup>	Ratio: <a href="#">15.65</a> Passed <sup>6</sup>	Ratio: <a href="#">2.94</a> Failed <sup>5</sup>
Hex(FEFFE8)	Ratio: <a href="#">1.32</a> Failed <sup>5</sup>		Ratio: <a href="#">2.03</a> Failed <sup>5</sup>	Ratio: <a href="#">3.96</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">20.68</a> Passed <sup>6</sup>	Ratio: <a href="#">3.89</a> AA 18pt <sup>2</sup>
Hex(E3A5A2)	Ratio: <a href="#">1.54</a> Failed <sup>5</sup>	Ratio: <a href="#">2.03</a> Failed <sup>5</sup>		Ratio: <a href="#">1.95</a> Failed <sup>5</sup>	Ratio: <a href="#">10.17</a> Passed <sup>6</sup>	Ratio: <a href="#">1.91</a> Failed <sup>5</sup>
Hex(7F8071)	Ratio: <a href="#">2.99</a> Failed <sup>5</sup>	Ratio: <a href="#">3.96</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.95</a> Failed <sup>5</sup>		Ratio: <a href="#">5.23</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">1.02</a> Failed <sup>5</sup>
Hex(000000)	Ratio: <a href="#">15.65</a> Passed <sup>6</sup>	Ratio: <a href="#">20.68</a> Passed <sup>6</sup>	Ratio: <a href="#">10.17</a> Passed <sup>6</sup>	Ratio: <a href="#">5.23</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: <a href="#">5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(808080)	Ratio: <a href="#">2.94</a> Failed <sup>5</sup>	Ratio: <a href="#">3.89</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.91</a> Failed <sup>5</sup>	Ratio: <a href="#">1.02</a> Failed <sup>5</sup>	Ratio: <a href="#">5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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