

# Converting Colors - WCAG Matrix

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

	Hex(FBFFA8)	Hex(DEE28D)	Hex(C2C673)	Hex(A6AB59)	Hex(8A9140)	Hex(707728)	Hex(565E0D)	Hex(3D4700)	Hex(253000)	Hex(081C00)
Hex(FBFFA8)		Ratio: <a href="#">1.30</a> Failed <sup>5</sup>	Ratio: <a href="#">1.72</a> Failed <sup>5</sup>	Ratio: <a href="#">2.32</a> Failed <sup>5</sup>	Ratio: <a href="#">3.22</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">4.58</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">6.65</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">9.51</a> Passed <sup>6</sup>	Ratio: <a href="#">13.30</a> Passed <sup>6</sup>	Ratio: <a href="#">16.98</a> Passed <sup>6</sup>
Hex(DEE28D)	Ratio: <a href="#">1.30</a> Failed <sup>5</sup>		Ratio: <a href="#">1.32</a> Failed <sup>5</sup>	Ratio: <a href="#">1.79</a> Failed <sup>5</sup>	Ratio: <a href="#">2.48</a> Failed <sup>5</sup>	Ratio: <a href="#">3.53</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">5.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">7.32</a> Passed <sup>6</sup>	Ratio: <a href="#">10.24</a> Passed <sup>6</sup>	Ratio: <a href="#">13.06</a> Passed <sup>6</sup>
Hex(C2C673)	Ratio: <a href="#">1.72</a> Failed <sup>5</sup>	Ratio: <a href="#">1.32</a> Failed <sup>5</sup>		Ratio: <a href="#">1.35</a> Failed <sup>5</sup>	Ratio: <a href="#">1.87</a> Failed <sup>5</sup>	Ratio: <a href="#">2.67</a> Failed <sup>5</sup>	Ratio: <a href="#">3.87</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">5.53</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">7.74</a> Passed <sup>6</sup>	Ratio: <a href="#">9.88</a> Passed <sup>6</sup>
Hex(A6AB59)	Ratio: <a href="#">2.32</a> Failed <sup>5</sup>	Ratio: <a href="#">1.79</a> Failed <sup>5</sup>	Ratio: <a href="#">1.35</a> Failed <sup>5</sup>		Ratio: <a href="#">1.38</a> Failed <sup>5</sup>	Ratio: <a href="#">1.97</a> Failed <sup>5</sup>	Ratio: <a href="#">2.86</a> Failed <sup>5</sup>	Ratio: <a href="#">4.09</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">5.72</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">7.30</a> Passed <sup>6</sup>
Hex(8A9140)	Ratio: <a href="#">3.22</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.48</a> Failed <sup>5</sup>	Ratio: <a href="#">1.87</a> Failed <sup>5</sup>	Ratio: <a href="#">1.38</a> Failed <sup>5</sup>		Ratio: <a href="#">1.42</a> Failed <sup>5</sup>	Ratio: <a href="#">2.07</a> Failed <sup>5</sup>	Ratio: <a href="#">2.95</a> Failed <sup>5</sup>	Ratio: <a href="#">4.13</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">5.27</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(707728)	Ratio: <a href="#">4.58</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">3.53</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.67</a> Failed <sup>5</sup>	Ratio: <a href="#">1.97</a> Failed <sup>5</sup>	Ratio: <a href="#">1.42</a> Failed <sup>5</sup>		Ratio: <a href="#">1.45</a> Failed <sup>5</sup>	Ratio: <a href="#">2.08</a> Failed <sup>5</sup>	Ratio: <a href="#">2.90</a> Failed <sup>5</sup>	Ratio: <a href="#">3.70</a> AA 18pt <sup>2</sup>
Hex(565E0D)	Ratio: <a href="#">6.65</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">5.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">3.87</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.86</a> Failed <sup>5</sup>	Ratio: <a href="#">2.07</a> Failed <sup>5</sup>	Ratio: <a href="#">1.45</a> Failed <sup>5</sup>		Ratio: <a href="#">1.43</a> Failed <sup>5</sup>	Ratio: <a href="#">2.00</a> Failed <sup>5</sup>	Ratio: <a href="#">2.55</a> Failed <sup>5</sup>
Hex(3D4700)	Ratio: <a href="#">9.51</a> Passed <sup>6</sup>	Ratio: <a href="#">7.32</a> Passed <sup>6</sup>	Ratio: <a href="#">5.53</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">4.09</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.95</a> Failed <sup>5</sup>	Ratio: <a href="#">2.08</a> Failed <sup>5</sup>	Ratio: <a href="#">1.43</a> Failed <sup>5</sup>		Ratio: <a href="#">1.40</a> Failed <sup>5</sup>	Ratio: <a href="#">1.78</a> Failed <sup>5</sup>
Hex(253000)	Ratio: <a href="#">13.30</a> Passed <sup>6</sup>	Ratio: <a href="#">10.24</a> Passed <sup>6</sup>	Ratio: <a href="#">7.74</a> Passed <sup>6</sup>	Ratio: <a href="#">5.72</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">4.13</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.90</a> Failed <sup>5</sup>	Ratio: <a href="#">2.00</a> Failed <sup>5</sup>	Ratio: <a href="#">1.40</a> Failed <sup>5</sup>		Ratio: <a href="#">1.28</a> Failed <sup>5</sup>
Hex(081C00)	Ratio: <a href="#">16.98</a> Passed <sup>6</sup>	Ratio: <a href="#">13.06</a> Passed <sup>6</sup>	Ratio: <a href="#">9.88</a> Passed <sup>6</sup>	Ratio: <a href="#">7.30</a> Passed <sup>6</sup>	Ratio: <a href="#">5.27</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">3.70</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.55</a> Failed <sup>5</sup>	Ratio: <a href="#">1.78</a> Failed <sup>5</sup>	Ratio: <a href="#">1.28</a> Failed <sup>5</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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