

Converting Colors

XYZ(46.1022, 64.0658, 57.9810)

Have a look what the booklet for
XYZ(46.1022, 64.0658, 57.9810)
contains.

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Color

**XYZ(45.9820, 63.8281,
58.0407)**

Conversions

Conversions Part 1

Format	Color
Hex	81E4BD
RGB	129, 228, 189
RGB Percent	51%, 89%, 74%
CMY	0.4941, 0.1059, 0.2588
CMYK	0.43, 0.00, 0.17, 0.11
HSL	156°, 65%, 70%
HSV	156°, 43%, 89%
XYZ	45.9820, 63.8281, 58.0407
YIQ	193.9530, -46.4850, -33.1170

Conversions

Conversions Part 2

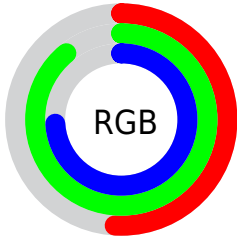
Format	Color
RYB	129, 191, 228
Decimal	8512701
CIELab	83.88, -37.99, 10.04
CIELCh	84, 39.292, 165.201
Yxy	63.8281, 0.2739, 0.3803
Android (android.graphics.Color)	4286702781 (0xFF81E4BD)
YUV	193.9530, -2.4418, -56.9638
Hunter-Lab	79.8925, -37.0765, 12.8514

Details

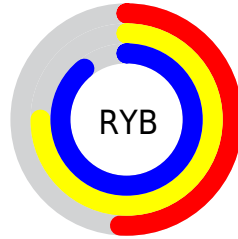
The XYZ color **45.9820, 63.8281, 58.0407** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.9152, 35.0232, 41.3357**, and the grayscale version is **51.2855, 53.9564, 58.7585**.

A 20% lighter version of the original color is **72.4911, 88.5517, 99.6577**, and **21.8689, 32.6603, 28.4440** is the 20% darker color. If you saturate the color by 10%, you get **41.9527, 61.8618, 52.9198**, and if you desaturate by 10%, it is **50.8479, 66.2220, 63.5188**.

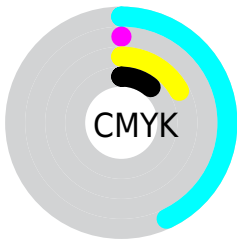
Distribution



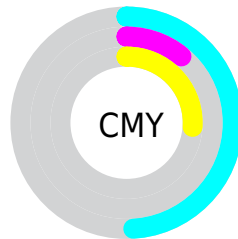
- Red (51%)
- Green (89%)
- Blue (74%)



- Red (51%)
- Yellow (75%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9820, 63.8281, 58.0407 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.9820, 63.8281, 58.0407 by changing the saturation by 10% instead.


 45.9820, 63.8281,
58.0407


 45.9820, 63.8281,
58.0407


361.4534,
438.5686, 434.9401


 32.4362, 46.5115,
41.4265


 83.4201, 110.3633,
103.4975

 21.8520, 32.6496,
28.3302


 108.0431,
140.3507, 133.1771

 13.8642, 21.8582,
18.3335


 137.0891,
175.3305, 168.0489

 8.1074, 13.7527,
11.0178

170.9237,
215.6870, 208.5315

 4.2161, 7.9489,
5.9645

209.9120,
261.8047, 255.0434

 1.8251, 4.0623,
2.7551

254.4195,

 0.5327, 1.7084,

314.0679, 308.0031

0.9710

304.8115,
372.8611, 367.8291

■ 0.0000, 0.4291,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9820, 63.8281,
58.0407

■ 45.9820, 63.8281,
58.0407

■ 41.9527, 61.8618,
52.9198

■ 50.8479, 66.2220,
63.5188

■ 38.7016, 60.2882,
48.1436


■ 56.5933, 69.0607,
69.3574


■ 36.1710, 59.0792,
43.7050


■ 63.2645, 72.3693,
75.5655


■ 34.2923, 58.1997,
39.5946


■ 70.9029, 76.1692,
82.1503


 32.9825, 57.6071,
35.8026

 79.5473, 80.4802,
89.1187

 32.3451, 57.3293,
33.4742

 85.1466, 83.2139,
96.2860

 86.5360, 83.7697,
103.6028

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.6266, 63.8281, 41.0773



45.9820, 63.8281, 58.0407



46.0071, 63.8281, 82.7330

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.9820, 63.8281, 58.0407



65.1273, 63.8281, 126.2576



73.1403, 63.8281, 40.9114

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.9820, 63.8281, 58.0407



46.9152, 35.0232, 41.3357

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1501, 63.8281, 57.7555



45.9820, 63.8281, 58.0407



73.2336, 63.8281, 108.6976

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.9820, 63.8281, 58.0407



56.5218, 63.8281, 126.3862



78.1858, 63.8281, 82.3717



65.0094, 63.8281, 32.9034

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9820, 63.8281, 58.0407



48.0802, 63.8281, 100.6865



78.1858, 63.8281, 82.3717



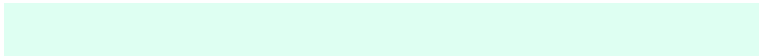
75.2778, 63.8281, 45.5234

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.9838, 63.8307, 58.0422



81.8563, 93.4331, 97.6775



47.9844, 65.4654, 30.8769



17.0872, 19.7833, 20.5170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9838, 63.8307, 58.0422



54.5939, 79.9873, 68.9126



48.1563, 60.4658, 82.5348



14.5544, 16.2352, 17.1840



18.7364, 33.1267, 19.6439



1.4299, 2.4661, 1.6906

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.9152, 35.0232, 41.3357



55.9512, 38.3585, 44.8266



45.1774, 36.5168, 25.4372



14.6110, 14.4616, 16.1517



19.5907, 9.9705, 6.7396



1.4923, 0.7546, 0.7331

Previews

White Background



This preview shows how the XYZ color 45.9820, 63.8281, 58.0407 looks on a white background.

Color Contrast Check

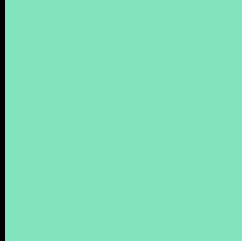
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.9820, 63.8281, 58.0407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

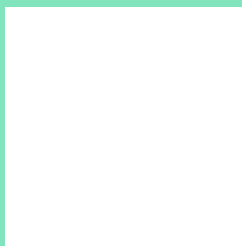
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9820, 63.8281, 58.0407

Background



This preview shows how black text looks on a background with the XYZ color 45.9820, 63.8281, 58.0407.

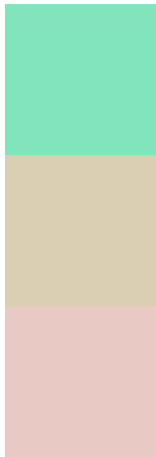


This preview shows how white text looks on a background with the XYZ color 45.9820, 63.8281,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.9820, 63.8281, 58.0407

Protanopia

59.2621, 62.7454, 51.1071

Deuteranopia

64.3412, 63.0371, 60.4060



Tritanopia

52.5918, 63.6957, 91.1840

Trichromacy



Original Color

45.9820, 63.8281, 58.0407



Protanomaly

52.9936, 62.4174, 53.5107



Deuteranomaly

55.4256, 62.0409, 59.5059



Tritanomaly

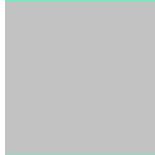
50.0233, 63.8501, 78.0944

Monochromacy



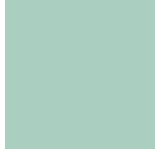
Original Color

45.9820, 63.8281, 58.0407



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.1633, 56.4944, 58.2352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9820, 63.8281, 58.0407 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 228, 189)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 189)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 228, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 189) }
```

Border

The CSS property to change the border of an element to XYZ 45.9820, 63.8281, 58.0407 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 228, 189) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 228, 189) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(129, 228, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 189);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9820, 63.8281, 58.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 189) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
228, 189) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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