

Converting Colors

XYZ(46.8621, 66.5074, 58.6489)

Have a look what the booklet for
XYZ(46.8621, 66.5074, 58.6489)
contains.

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Color

**XYZ(46.7817, 66.3119,
58.4779)**

Conversions

Conversions Part 1

Format	Color
Hex	7DE9BD
RGB	125, 233, 189
RGB Percent	49%, 91%, 74%
CMY	0.5098, 0.0863, 0.2588
CMYK	0.46, 0.00, 0.19, 0.09
HSL	156°, 71%, 70%
HSV	156°, 46%, 91%
XYZ	46.7817, 66.3119, 58.4779
YIQ	195.6920, -50.2440, -36.5800

Conversions

Conversions Part 2

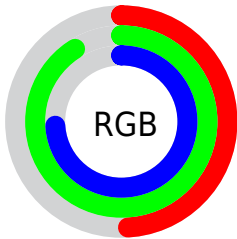
Format	Color
RYB	125, 193, 233
Decimal	8251837
CIELab	85.16, -41.24, 11.84
CIELCh	85, 42.904, 163.987
Yxy	66.3119, 0.2727, 0.3865
Android (android.graphics.Color)	4286441917 (0xFF7DE9BD)
YUV	195.6920, -3.2992, -61.9969
Hunter-Lab	81.4321, -39.9603, 14.4252

Details

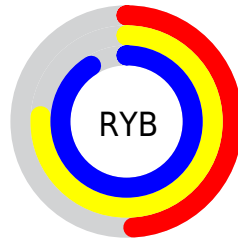
The XYZ color **46.7817, 66.3119, 58.4779** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1016, 34.8572, 41.7317**, and the grayscale version is **52.3271, 55.0521, 59.9518**.

A 20% lighter version of the original color is **71.7699, 88.1799, 99.6239**, and **22.4128, 34.3801, 28.7473** is the 20% darker color. If you saturate the color by 10%, you get **42.7742, 64.3629, 53.0869**, and if you desaturate by 10%, it is **51.6581, 68.7045, 64.2646**.

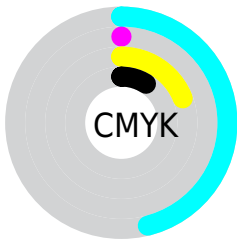
Distribution



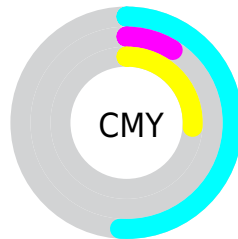
- Red (49%)
- Green (91%)
- Blue (74%)



- Red (49%)
- Yellow (76%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7817, 66.3119, 58.4779 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 46.7817, 66.3119, 58.4779 by changing the saturation by 10% instead.


 46.7817, 66.3119,
58.4779

 46.7817, 66.3119,
58.4779


364.6060,
447.4915, 436.6122

 33.0703, 48.5256,
41.7757


 84.6084, 113.9339,
104.1401

 22.3398, 34.2433,
28.6015


 109.4545,
144.5384, 133.9372

 14.2248, 23.0806,
18.5366


 138.7428,
180.1844, 168.9364

 8.3599, 14.6530,
11.1625


172.8387,
221.2564, 209.5562

 4.3799, 8.5762,
6.0607

212.1077,
268.1387, 256.2151

 1.9192, 4.4658,
2.8126

256.9150,

 0.5880, 1.9374,

321.2157, 309.3318

0.9998

307.6259,
380.8719, 369.3246

■ 0.0000, 0.5707,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7817, 66.3119,
58.4779

■ 46.7817, 66.3119,
58.4779

■ 42.7742, 64.3629,
53.0869

■ 51.6581, 68.7045,
64.2646

■ 39.5722, 62.8198,
48.0777


■ 57.4503, 71.5596,
70.4513


■ 37.1122, 61.6516,
43.4417


■ 64.2082, 74.9044,
77.0483


■ 35.3179, 60.8194,
39.1685

■ 71.9765, 78.7618,
84.0636

 34.0942, 60.2741,
35.2460

 80.7968, 83.1533,
91.5054

 33.7328, 60.1172,
33.8981

 87.0086, 86.1916,
99.2081

 88.4301, 86.7602,
106.6934

Harmonies

Analogous

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



50.9688, 66.3119, 40.2488



46.7817, 66.3119, 58.4779



46.6422, 66.3119, 85.8624

Triad

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



46.7817, 66.3119, 58.4779



67.6323, 66.3119, 137.2333



77.3846, 66.3119, 41.1582

Complementary

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



46.7817, 66.3119, 58.4779



48.1016, 34.8572, 41.7317

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.



82.8605, 66.3119, 60.0739



46.7817, 66.3119, 58.4779



76.8523, 66.3119, 117.7280

Square

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



46.7817, 66.3119, 58.4779



58.0329, 66.3119, 136.4862



82.6563, 66.3119, 87.9220



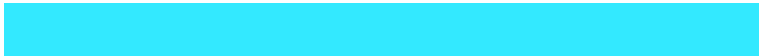
68.3007, 66.3119, 32.1404

Rectangle

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



46.7817, 66.3119, 58.4779



48.8246, 66.3119, 106.2732



82.6563, 66.3119, 87.9220



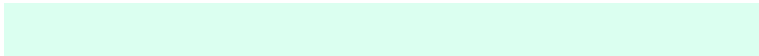
79.7478, 66.3119, 46.3239

Sweetspot

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



46.7835, 66.3146, 58.4794



80.8596, 92.9450, 96.4713



49.4203, 68.3074, 29.9831



16.8871, 19.6857, 20.2584



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.



46.7835, 66.3146, 58.4794



52.5250, 79.0008, 65.1954



49.8232, 63.5571, 86.7357



15.2429, 17.0120, 17.9620



19.2029, 34.1356, 19.5656



1.5554, 2.6995, 1.7866

Inverse Universe

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



48.1016, 34.8572, 41.7317



54.3480, 35.8092, 42.2665



45.8331, 35.8562, 23.9084



15.3198, 15.1558, 16.9696



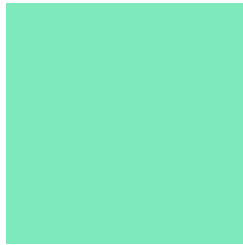
20.2959, 10.3210, 7.3595



1.6403, 0.8291, 0.8234

Previews

White Background



This preview shows how the XYZ color 46.7817, 66.3119, 58.4779 looks on a white background.

Color Contrast Check

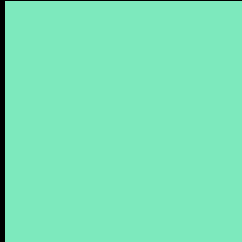
Large Text (above 18pt) WCAG AA × Fail

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 46.7817, 66.3119, 58.4779 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

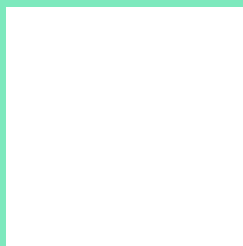
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7817, 66.3119, 58.4779

Background



This preview shows how black text looks on a background with the XYZ color 46.7817, 66.3119, 58.4779.



This preview shows how white text looks on a background with the XYZ color 46.7817, 66.3119,

58.4779.

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

46.7817, 66.3119, 58.4779

Protanopia

61.7616, 65.4909, 51.5053

Deuteranopia

66.7031, 65.3030, 60.7189



Tritanopia

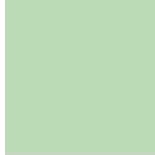
54.0696, 65.9575, 95.4693

Trichromacy



Original Color

46.7817, 66.3119, 58.4779



Protanomaly

54.2685, 64.6052, 53.8658



Deuteranomaly

56.9520, 64.3214, 59.8657



Tritanomaly

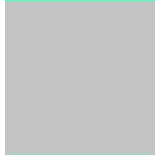
51.1896, 66.0195, 80.5661

Monochromacy



Original Color

46.7817, 66.3119, 58.4779



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.0037, 57.9972, 59.0639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7817, 66.3119, 58.4779 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(125, 233, 189)` looks like.

```
.text, #text, p{  
    color:rgb(125, 233, 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(125, 233, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 233, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.7817, 66.3119, 58.4779 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(125, 233, 189) }
```


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

```
.border{ border-color:rgb(125, 233, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 233, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 233, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 233, 189); box-shadow:4px 4px 4px 4px rgb(125, 233, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7817, 66.3119, 58.4779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 233, 189) }
```

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

```
.background{ background-color: rgb(125,  
233, 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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