

Converting Colors

XYZ(46.7501, 67.0527, 68.1645)

Have a look what the booklet for
XYZ(46.7501, 67.0527, 68.1645)
contains.

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Color

**XYZ(46.6716, 66.8886,
68.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	6AEBCD
RGB	106, 235, 205
RGB Percent	42%, 92%, 80%
CMY	0.5843, 0.0784, 0.1961
CMYK	0.55, 0.00, 0.13, 0.08
HSL	166°, 76%, 67%
HSV	166°, 55%, 92%
XYZ	46.6716, 66.8886, 68.2085
YIQ	193.0090, -67.2540, -36.6780

Conversions

Conversions Part 2

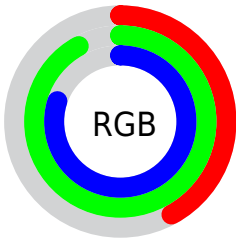
Format	Color
RYB	106, 179, 235
Decimal	7007181
CIELab	85.45, -42.81, 3.78
CIELCh	85, 42.976, 174.953
Yxy	66.8886, 0.2568, 0.3680
Android (android.graphics.Color)	4285197261 (0xFF6AEB CD)
YUV	193.0090, 5.9116, -76.3069
Hunter-Lab	81.7855, -41.2619, 7.8024

Details

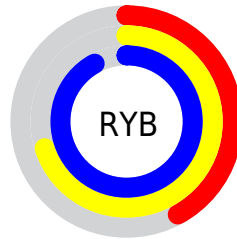
The XYZ color **46.6716, 66.8886, 68.2085** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.8611, 29.7495, 26.7255**, and the grayscale version is **50.6902, 53.3300, 58.0764**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **22.1994, 34.4325, 34.7543** is the 20% darker color. If you saturate the color by 10%, you get **43.6043, 65.3839, 64.6819**, and if you desaturate by 10%, it is **50.5308, 68.8022, 71.8954**.

Distribution



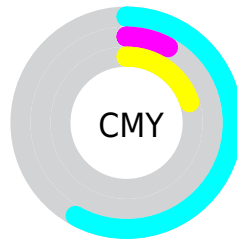
- Red (42%)
- Green (92%)
- Blue (80%)



- Red (42%)
- Yellow (70%)
- Blue (92%)



- Cyan (55%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)





- Cyan (58%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6716, 66.8886, 68.2085 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 46.6716, 66.8886, 68.2085 by changing the saturation by 10% instead.


 46.6716, 66.8886,
68.2085


 46.6716, 66.8886,
68.2085


364.1730,
449.5481, 472.8525


 32.9830, 48.9941,
49.5996


 84.4449, 114.7608,
118.3074

 22.2726, 34.6148,
34.7264

 109.2604,
145.5072, 150.6345

 14.1750, 23.3663,
23.1704


 138.5155,
181.3065, 188.3715

 8.3250, 14.8642,
14.5129

172.5755,
222.5429, 231.9368

 4.3572, 8.7241,
8.3354

211.8060,
269.6009, 281.7490

 1.9061, 4.5617,
4.2195

256.5721,

 0.5804, 1.9925,

322.8648, 338.2266

1.7465

307.2394,
382.7191, 401.7883

■ 0.0000, 0.6031,
0.3923

■ 0.0000, 0.0000,
0.0000

■ 46.6716, 66.8886,
68.2085

■ 46.6716, 66.8886,
68.2085

■ 43.6043, 65.3839,
64.6819

■ 50.5308, 68.8022,
71.8954

■ 41.2588, 64.2471,
61.3068


■ 55.2333, 71.1461,
75.7418


■ 39.5623, 63.4421,
58.0799


■ 60.8328, 73.9498,
79.7529


■ 38.4229, 62.9218,
54.9958


■ 67.3768, 77.2377,
83.9321

 37.9832, 62.7284,
53.4718

 74.9095, 81.0324,
88.2825

 83.4722, 85.3553,
92.8073

 87.1666, 87.1658,
97.2314

 88.0058, 87.5015,
101.6503

 88.8697, 87.8470,
106.1998

Harmonies

Analogous

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



49.4311, 66.8886, 46.1470



46.6716, 66.8886, 68.2085



48.0497, 66.8886, 97.9068

Triad

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



46.6716, 66.8886, 68.2085



71.8160, 66.8886, 133.1520



74.9590, 66.8886, 37.1280

Complementary

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



46.6716, 66.8886, 68.2085



43.8611, 29.7495, 26.7255

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.



82.1304, 66.8886, 52.4490



46.6716, 66.8886, 68.2085



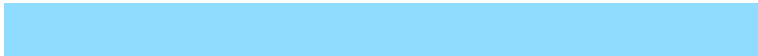
80.1897, 66.8886, 108.2133

Square

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



46.6716, 66.8886, 68.2085



61.9406, 66.8886, 140.4630



84.1357, 66.8886, 77.6563



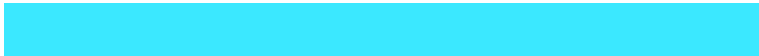
65.2391, 66.8886, 31.3746

Rectangle

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



46.6716, 66.8886, 68.2085



51.2111, 66.8886, 117.7250



84.1357, 66.8886, 77.6563



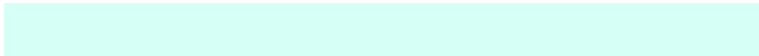
77.7854, 66.8886, 41.1044

Sweetspot

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



46.6735, 66.8912, 68.2101



80.1095, 92.4701, 100.4220



42.4815, 65.7026, 24.0797



16.7838, 19.6099, 21.2693



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.



46.6735, 66.8912, 68.2101



52.0388, 78.4823, 77.2750



41.7348, 50.6517, 86.1774



15.3591, 17.0585, 18.5739



21.1900, 34.9305, 30.0294



1.7002, 2.7574, 2.5492

Inverse Universe

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



43.8611, 29.7495, 26.7255



48.3797, 29.5302, 22.8354



46.3013, 37.5780, 18.4498



15.2090, 15.1115, 16.3859



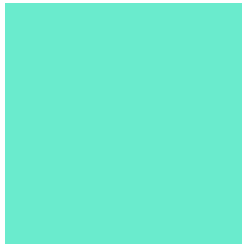
19.4876, 9.9977, 3.1033



1.5665, 0.7995, 0.4343

Previews

White Background



This preview shows how the XYZ color 46.6716, 66.8886, 68.2085 looks on a white background.

Color Contrast Check

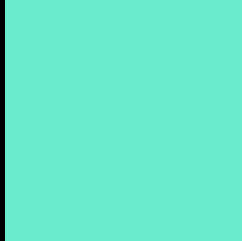
Large Text (above 18pt) WCAG AA × Fail

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 46.6716, 66.8886, 68.2085 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

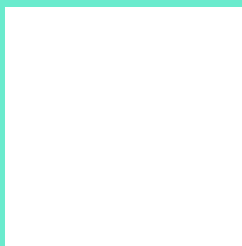
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6716, 66.8886, 68.2085

Background



This preview shows how black text looks on a background with the XYZ color 46.6716, 66.8886, 68.2085.



This preview shows how white text looks on a background with the XYZ color 46.6716, 66.8886,

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

46.6716, 66.8886, 68.2085

Protanopia

62.3239, 65.6099, 59.2483

Deuteranopia

67.1935, 65.6894, 70.7659



Tritanopia

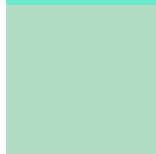
52.5535, 66.7471, 98.1093

Trichromacy



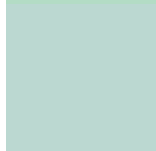
Original Color

46.6716, 66.8886, 68.2085



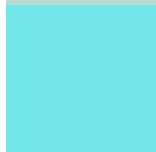
Protanomaly

54.2616, 64.8013, 62.4713



Deuteranomaly

56.5580, 64.2800, 69.7480



Tritanomaly

50.2116, 66.6229, 86.5570

Monochromacy



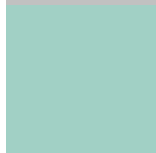
Original Color

46.6716, 66.8886, 68.2085



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.3319, 56.7200, 61.2767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6716, 66.8886, 68.2085 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(106, 235, 205)` looks like.

```
.text, #text, p{  
    color:rgb(106, 235, 205)  
}
```

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(106, 235, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 235, 205) }
```

Border

The CSS property to change the border of an element to XYZ 46.6716, 66.8886, 68.2085 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(106, 235, 205) }
```


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

```
.border{ border-color:rgb(106, 235, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 235, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 235, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 235, 205);  
box-shadow:4px 4px 4px 4px rgb(106, 235,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6716, 66.8886, 68.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 235, 205) }
```

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

```
.background{ background-color: rgb(106,  
235, 205) }
```

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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