

# Converting Colors

XYZ(46.8979, 57.0411, 86.3801)

Have a look what the booklet for  
XYZ(46.8979, 57.0411, 86.3801)  
contains.

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# Color

**XYZ(46.8979, 57.0411,  
86.3801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD3EA
RGB	127, 211, 234
RGB Percent	50%, 83%, 92%
CMY	0.5019, 0.1725, 0.0823
CMYK	0.46, 0.10, 0.00, 0.08
HSL	193°, 72%, 71%
HSV	193°, 46%, 92%
XYZ	46.8979, 57.0411, 86.3801
YIQ	188.5060, -57.4470, -10.6550

# Conversions

## Conversions Part 2

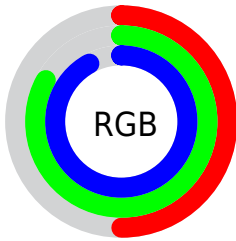
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 174, 234
Decimal	8377322
CIELab	80.20, -19.57, -19.28
CIELCh	80, 27.468, 224.578
Yxy	57.0411, 0.2464, 0.2997
Android (android.graphics.Color)	4286567402 (0xFF7FD3EA)
YUV	188.5060, 22.4285, -53.9408
Hunter-Lab	75.5256, -21.3294, -14.9433

# Details

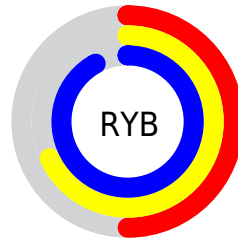
The XYZ color **46.8979, 57.0411, 86.3801** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6698, 40.8384, 25.3976**, and the grayscale version is **47.9890, 50.4882, 54.9816**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **22.3082, 28.2202, 46.3908** is the 20% darker color. If you saturate the color by 10%, you get **42.5796, 52.9901, 85.8268**, and if you desaturate by 10%, it is **52.0681, 61.5918, 86.9870**.

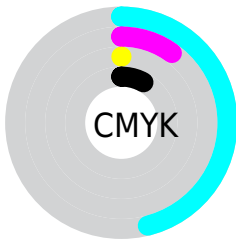
# Distribution



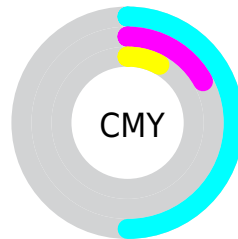
- Red (50%)
- Green (83%)
- Blue (92%)



- Red (50%)
- Yellow (68%)
- Blue (92%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)



- Cyan (50%)
- Magenta (17%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8979, 57.0411, 86.3801 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 46.8979, 57.0411, 86.3801 by changing the saturation by 10% instead.



46.8979, 57.0411,  
86.3801

46.8979, 57.0411,  
86.3801

365.0626,  
413.6033, 536.4469

33.1626, 41.0382,  
64.4256

84.7809, 100.5252,  
144.1910

22.4108, 28.3490,  
46.5471

109.6592,  
128.7751, 180.8846

14.2774, 18.5889,  
32.3260

138.9826,  
161.8763, 223.3282

8.3968, 11.3736,  
21.3437

173.1164,  
200.2130, 271.9405

4.4038, 6.3187,  
13.1818

212.4259,  
244.1697, 327.1400

1.9330, 3.0398,  
7.4217

257.2765,

0.5959, 1.1526,

294.1307, 389.3452

3.6448

308.0336,  
350.4804, 458.9747

■ 0.0000, 0.0224,  
1.4326

■ 0.0000, 0.0000,  
0.1669

■ 46.8979, 57.0411,  
86.3801

■ 46.8979, 57.0411,  
86.3801

■ 42.5796, 52.9901,  
85.8268

■ 52.0681, 61.5918,  
86.9870

■ 39.0507, 49.4024,  
85.3203


■ 58.1365, 66.6629,  
87.6460


■ 36.2484, 46.2462,  
84.8588


■ 65.1525, 72.2815,  
88.3607


■ 34.0975, 43.4823,  
84.4387


■ 73.1601, 78.4709,  
89.1333


 32.5052, 41.0622,  
84.0555


 82.2005, 85.2527,  
89.9659

 31.9309, 40.0994,  
83.8999

 87.6004, 90.2184,  
90.6397

 89.1113, 93.2403,  
91.1434

 90.6637, 96.3451,  
91.6608

 91.8515, 98.7206,  
92.0568

# Harmonies

## Analogous

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



44.4428, 57.0411, 70.2026



46.8979, 57.0411, 86.3801



51.4009, 57.0411, 96.8544

# Triad

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



46.8979, 57.0411, 86.3801



65.2793, 57.0411, 70.6803



51.5491, 57.0411, 36.7758

# Complementary

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



46.8979, 57.0411, 86.3801



48.6698, 40.8384, 25.3976

# 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.



57.1318, 57.0411, 36.8588



46.8979, 57.0411, 86.3801



65.3259, 57.0411, 54.6610

# Square

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



46.8979, 57.0411, 86.3801



62.1350, 57.0411, 86.7814



62.2580, 57.0411, 42.8706



46.9999, 57.0411, 42.6199



# Rectangle

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



46.8979, 57.0411, 86.3801



55.0803, 57.0411, 98.2226



62.2580, 57.0411, 42.8706



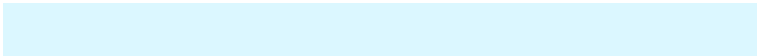
53.3605, 57.0411, 36.1483

# Sweetspot

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



46.8997, 57.0433, 86.3814



80.7145, 89.0482, 107.5417



43.5535, 65.5097, 38.5339



16.8498, 18.7254, 22.9762



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

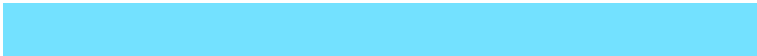


# Same Dimension

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



46.8997, 57.0433, 86.3814



51.9734, 64.6200, 104.3414



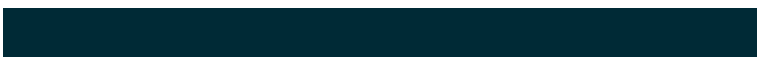
36.0204, 35.2848, 82.7550



15.2270, 16.5404, 19.3123



18.0388, 22.7246, 47.1785



1.4847, 1.9209, 3.7274



# Inverse Universe

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



53.2804, 37.3758, 66.0365



60.9131, 38.8929, 75.4271



58.8607, 61.2202, 28.7945



15.5681, 15.2551, 18.2770



23.9605, 11.7869, 26.6568

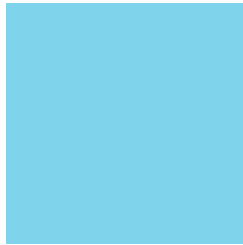


1.9159, 0.9393, 2.2746



# Previews

## White Background



This preview shows how the XYZ color 46.8979, 57.0411, 86.3801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

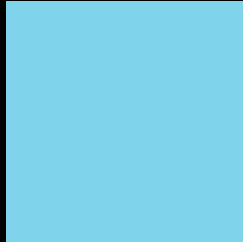
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.8979, 57.0411, 86.3801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

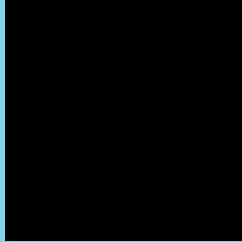
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.8979, 57.0411, 86.3801

## Background



This preview shows how black text looks on a background with the XYZ color 46.8979, 57.0411, 86.3801.



This preview shows how white text looks on a background with the XYZ color 46.8979, 57.0411,



# 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

46.8979, 57.0411, 86.3801

### Protanopia

55.4426, 56.3310, 78.4718

### Deuteranopia

58.0131, 56.7624, 88.7875



## **Tritanopia**

46.1438, 57.1041, 82.7189

# Trichromacy



**Original Color**

46.8979, 57.0411, 86.3801

**Protanomaly**

51.4678, 55.9208, 81.4799

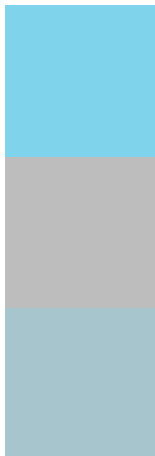
**Deuteranomaly**

52.9536, 56.1936, 88.1763

**Tritanomaly**

46.5715, 57.2921, 84.2052

# Monochromacy



**Original Color**

46.8979, 57.0411, 86.3801

**Achromatopsia**

48.3692, 50.8881, 55.4172

**Achromatomaly**

46.7116, 52.4473, 65.4190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.8979, 57.0411, 86.3801 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(127, 211, 234)` looks like.

```
.text, #text, p{  
    color:rgb(127, 211, 234)  
}
```

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(127, 211, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 211, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 46.8979, 57.0411, 86.3801 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(127, 211, 234) }
```



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

```
.border{ border-color:rgb(127, 211, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 211, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 211, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 211, 234);  
box-shadow:4px 4px 4px 4px rgb(127, 211,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.8979, 57.0411, 86.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 211, 234) }
```

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

```
.background{ background-color: rgb(127,  
211, 234) }
```

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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