

Converting Colors

XYZ(46.8394, 60.3151,
103.7810)

Have a look what the booklet for
XYZ(46.8394, 60.3151, 103.7810)
contains.

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Color

**XYZ(46.9670, 60.5107,
103.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	4DDDFE
RGB	77, 221, 255
RGB Percent	30%, 87%, 100%
CMY	0.6980, 0.1333, 0.0000
CMYK	0.70, 0.13, 0.00, 0.00
HSL	191°, 100%, 65%
HSV	191°, 70%, 100%
XYZ	46.9670, 60.5107, 103.8120
YIQ	181.8200, -96.7380, -19.9540

Conversions

Conversions Part 2

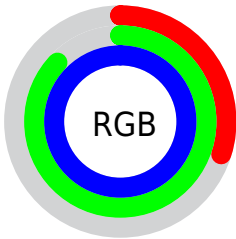
Format	Color
RYB	77, 157, 255
Decimal	5103103
CIELab	82.11, -27.61, -27.68
CIElCh	82, 39.100, 225.070
Yxy	60.5107, 0.2223, 0.2864
Android (android.graphics.Color)	4283293183 (0xFF4DDDDFF)
YUV	181.8200, 36.0777, -91.9271
Hunter-Lab	77.7886, -28.3559, -24.6728

Details

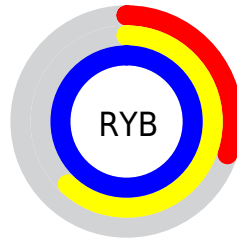
The XYZ color **46.9670, 60.5107, 103.8120** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.2653, 33.1666, 10.8812**, and the grayscale version is **44.2157, 46.5183, 50.6585**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **44.0310, 57.1168, 103.3117**, and if you desaturate by 10%, it is **50.7497, 64.3988, 104.3632**.

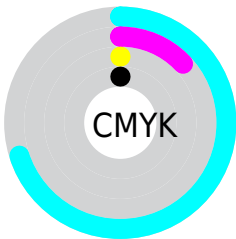
Distribution



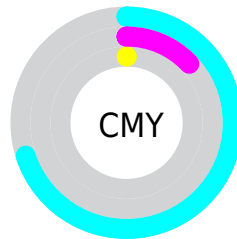
- Red (30%)
- Green (87%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9670, 60.5107, 103.8120 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 46.9670, 60.5107, 103.8120 by changing the saturation by 10% instead.

46.9670, 60.5107,
103.8120

46.9670, 60.5107,
103.8120

365.3339,
426.4776, 593.6971

33.2174, 43.8304,
78.8533

84.8834, 105.5701,
168.4834

22.4531, 30.5372,
58.2546

109.7809,
134.7181, 209.0331

14.3087, 20.2467,
41.5973

139.1251,
168.7907, 255.6170

8.4188, 12.5745,
28.4629

173.2814,
208.1724, 308.6536

4.4181, 7.1362,
18.4328

212.6150,
253.2475, 368.5613

1.9413, 3.5474,
11.0885

257.4914,

0.6007, 1.4238,

304.4005, 435.7588

6.0115

308.2759,
362.0158, 510.6645

■ 0.0000, 0.2341,
2.7832

■ 0.0000, 0.0000,
0.9850

■ 46.9670, 60.5107,
103.8120

■ 46.9670, 60.5107,
103.8120

■ 44.0310, 57.1168,
103.3117

■ 50.7497, 64.3988,
104.3632

■ 41.8357, 54.1585,
102.8564

■ 55.4582, 68.8189,
104.9682

■ 40.2220, 51.5545,
102.4388

■ 61.1683, 73.8116,
105.6309

■ 40.1921, 51.5041,
102.4307

■ 67.9463, 79.4116,
106.3546

■ 75.8525, 85.6504,
107.1421

■ 84.9429, 92.5572,
107.9961

95.0500, 100.0000,
108.9000

Harmonies

Analogous

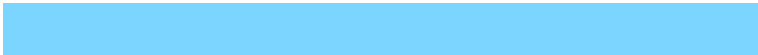
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4441, 60.5107, 78.4924



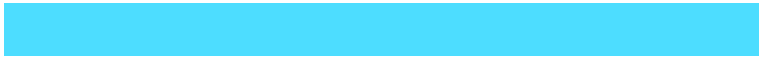
46.9670, 60.5107, 103.8120



53.5008, 60.5107, 120.6228

Triad

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



46.9670, 60.5107, 103.8120



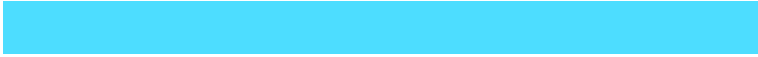
74.3454, 60.5107, 78.3713



53.4649, 60.5107, 30.8842

Complementary

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



46.9670, 60.5107, 103.8120



48.2653, 33.1666, 10.8812

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.



61.7222, 60.5107, 30.8668



46.9670, 60.5107, 103.8120



74.3335, 60.5107, 54.7070

Square

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



46.9670, 60.5107, 103.8120



69.5628, 60.5107, 103.7052



69.5315, 60.5107, 38.5454



46.9429, 60.5107, 38.6007

Rectangle

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



46.9670, 60.5107, 103.8120



58.9349, 60.5107, 122.6750



69.5315, 60.5107, 38.5454



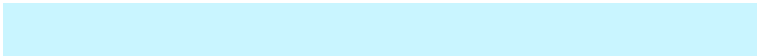
56.1153, 60.5107, 30.0516

Sweetspot

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



46.9688, 60.5128, 103.8124



74.8419, 84.8667, 107.0441



41.6165, 74.2163, 26.7818



15.5355, 17.7869, 22.8644



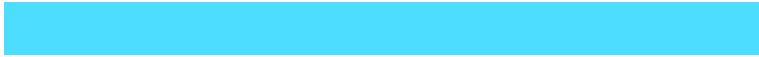
0.0000, 0.0000, 0.0000



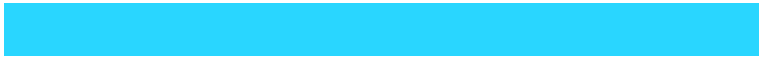
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9688, 60.5128, 103.8124



43.0250, 55.8243, 103.1153



29.5503, 25.6760, 98.0062



18.2426, 19.8569, 23.1212



21.1063, 27.1223, 53.5573



2.1273, 2.7854, 5.2388

Inverse Universe

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



56.9462, 31.7899, 71.5435



54.1747, 27.6915, 66.1660



62.9199, 62.4759, 15.7661



18.6351, 18.2374, 21.9617



27.4417, 13.4660, 32.0401



2.7084, 1.3257, 3.3118

Previews

White Background



This preview shows how the XYZ color 46.9670, 60.5107, 103.8120 looks on a white background.

Color Contrast Check

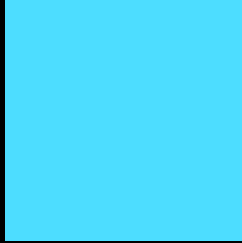
Large Text (above 18pt) WCAG AA × Fail

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 46.9670, 60.5107, 103.8120 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 46.9670, 60.5107, 103.8120

Background



This preview shows how black text looks on a background with the XYZ color 46.9670, 60.5107, 103.8120.



This preview shows how white text looks on a background with the XYZ color 46.9670, 60.5107,

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

46.9670, 60.5107, 103.8120

Protanopia

59.0120, 59.5935, 91.6115

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

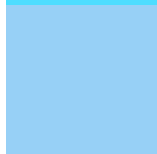
44.6488, 60.3552, 92.5156

Trichromacy



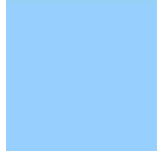
Original Color

46.9670, 60.5107, 103.8120



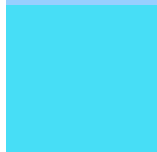
Protanomaly

51.9529, 58.3449, 95.7123



Deuteranomaly

53.1253, 58.4250, 103.0849



Tritanomaly

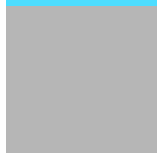
45.3544, 60.2360, 96.4251

Monochromacy



Original Color

46.9670, 60.5107, 103.8120



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.7502, 50.0126, 67.7218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9670, 60.5107, 103.8120 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(77, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 221, 255)  
}
```

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(77, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9670, 60.5107, 103.8120 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(77, 221, 255) }
```


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

```
.border{ border-color:rgb(77, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9670, 60.5107, 103.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 221, 255) }
```

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

```
.background{ background-color: rgb(77, 221,  
255) }
```

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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