

Converting Colors

XYZ(51.6478, 64.8215,
121.2242)

Have a look what the booklet for
XYZ(51.6478, 64.8215, 121.2242)
contains.

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Color

**XYZ(48.4996, 63.6947,
104.3458)**

Conversions

Conversions Part 1

Format	Color
Hex	4CE3FF
RGB	76, 227, 255
RGB Percent	30%, 89%, 100%
CMY	0.7019, 0.1098, 0.0000
CMYK	0.70, 0.11, 0.00, 0.00
HSL	189°, 100%, 65%
HSV	189°, 70%, 100%
XYZ	48.4996, 63.6947, 104.3458
YIQ	185.0430, -98.9840, -23.3040

Conversions

Conversions Part 2

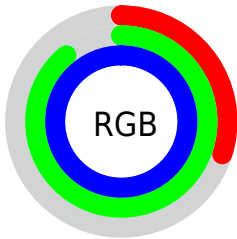
Format	Color
RYB	76, 158, 255
Decimal	5039103
CIELab	83.81, -30.65, -25.10
CIELCh	84, 39.619, 219.316
Yxy	63.6947, 0.2240, 0.2941
Android (android.graphics.Color)	4283229183 (0xFF4CE3FF)
YUV	185.0430, 34.4888, -95.6307
Hunter-Lab	79.8090, -31.1919, -21.6521

Details

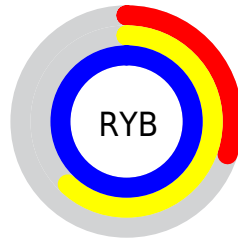
The XYZ color **48.4996, 63.6947, 104.3458** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.4961, 31.6844, 10.4520**, and the grayscale version is **45.9943, 48.3896, 52.6963**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **45.7824, 60.6944, 103.9099**, and if you desaturate by 10%, it is **52.0480, 67.1636, 104.8284**.

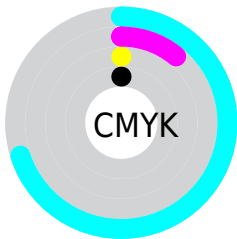
Distribution



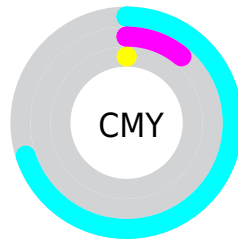
- Red (30%)
- Green (89%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4996, 63.6947, 104.3458 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 48.4996, 63.6947, 104.3458 by changing the saturation by 10% instead.

48.4996, 63.6947,
104.3458

48.4996, 63.6947,
104.3458

371.3187,
438.0863, 595.4029

34.4356, 46.4034,
79.2978

87.1530, 110.1711,
169.2204

23.3929, 32.5643,
58.6179

112.4731,
140.1251, 209.8840

15.0062, 21.7929,
41.8876

142.2759,
175.0688, 256.5899

8.9101, 13.7048,
28.6884

176.9269,
215.3865, 309.7567

4.7392, 7.9156,
18.6017

216.7913,
261.4628, 369.8029

2.1282, 4.0410,
11.2089

262.2345,

0.7045, 1.6965,

313.6819, 437.1469

6.0916

313.6218,
372.4283, 512.2074

■ 0.0000, 0.4214,
2.8312

■ 0.0000, 0.0000,
1.0091

■ 48.4996, 63.6947,
104.3458

■ 48.4996, 63.6947,
104.3458

■ 45.7824, 60.6944,
103.9099

■ 52.0480, 67.1636,
104.8284

■ 43.7895, 58.1034,
103.5149

■ 56.5069, 71.1385,
105.3606

■ 42.3794, 55.8788,
103.1598

■ 61.9524, 75.6599,
105.9463

■ 68.4508, 80.7623,
106.5887

■ 76.0627, 86.4773,
107.2906

■ 84.8438, 92.8338,
108.0547

94.8463, 99.8589,
108.8835

95.0500, 100.0000,
108.9000

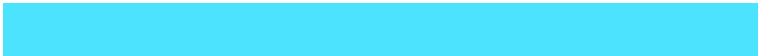
Harmonies

Analogous

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



45.4890, 63.6947, 77.3994



48.4996, 63.6947, 104.3458



54.8220, 63.6947, 124.5129

Triad

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



48.4996, 63.6947, 104.3458



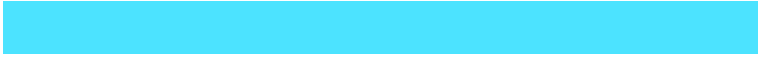
77.5747, 63.6947, 87.6860



57.8726, 63.6947, 32.0087

Complementary

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



48.4996, 63.6947, 104.3458



47.4961, 31.6844, 10.4520

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.



66.6421, 63.6947, 33.4980



48.4996, 63.6947, 104.3458



78.5908, 63.6947, 61.8840

Square

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



48.4996, 63.6947, 104.3458



71.7678, 63.6947, 113.4064



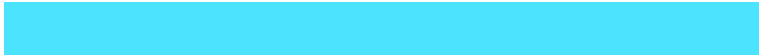
74.4242, 63.6947, 43.2143



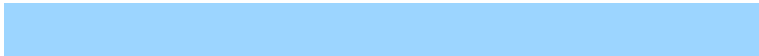
50.5487, 63.6947, 38.5018

Rectangle

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



48.4996, 63.6947, 104.3458



60.3403, 63.6947, 129.1249



74.4242, 63.6947, 43.2143



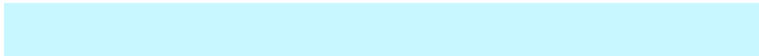
60.7399, 63.6947, 31.6349

Sweetspot

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



48.5014, 63.6969, 104.3462



75.4044, 85.9917, 107.2316



41.1826, 74.0335, 24.9145



15.6708, 18.0576, 22.9095



0.0000, 0.0000, 0.0000



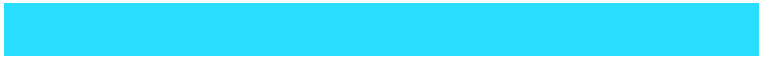
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5014, 63.6969, 104.3462



44.9440, 59.6623, 103.7549



30.2146, 27.1233, 98.2506



18.2986, 19.9689, 23.1399



22.2351, 29.3797, 53.9335



2.2272, 2.9851, 5.2721

Inverse Universe

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



57.6908, 31.9768, 75.8069



55.1433, 28.0790, 71.2667



61.4724, 59.6370, 15.1108



18.6634, 18.2487, 22.1105



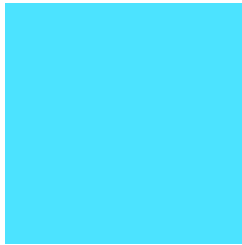
28.0114, 13.6939, 35.0403



2.7588, 1.3459, 3.5772

Previews

White Background



This preview shows how the XYZ color 48.4996, 63.6947, 104.3458 looks on a white background.

Color Contrast Check

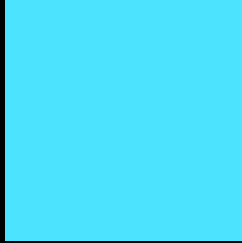
Large Text (above 18pt) WCAG AA × Fail

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 48.4996, 63.6947, 104.3458 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 48.4996, 63.6947, 104.3458

Background



This preview shows how black text looks on a background with the XYZ color 48.4996, 63.6947, 104.3458.

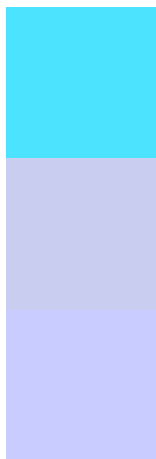


This preview shows how white text looks on a background with the XYZ color 48.4996, 63.6947,

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

48.4996, 63.6947, 104.3458

Protanopia

62.0359, 62.9110, 92.0925

Deuteranopia

63.7303, 62.8232, 103.3749



Tritanopia

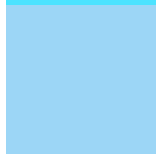
47.1304, 63.5418, 97.7764

Trichromacy



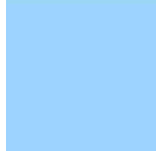
Original Color

48.4996, 63.6947, 104.3458



Protanomaly

54.3914, 61.8149, 96.2535



Deuteranomaly

55.3038, 61.3749, 103.5395



Tritanomaly

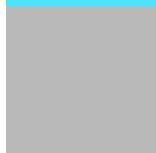
47.7464, 63.8054, 100.2417

Monochromacy



Original Color

48.4996, 63.6947, 104.3458



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.9642, 51.9814, 68.6890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4996, 63.6947, 104.3458 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(76, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 227, 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(76, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.4996, 63.6947, 104.3458 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(76, 227, 255) }
```


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

```
.border{ border-color:rgb(76, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4996, 63.6947, 104.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 227, 255) }
```

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

```
.background{ background-color: rgb(76, 227,  
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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