

Converting Colors

XYZ(74.3049, 74.0581,
234.8948)

Have a look what the booklet for
XYZ(74.3049, 74.0581, 234.8948)
contains.

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Color

**XYZ(49.5436, 64.2329,
104.3947)**

Conversions

Conversions Part 1

Format	Color
Hex	58E3FF
RGB	88, 227, 255
RGB Percent	35%, 89%, 100%
CMY	0.6549, 0.1098, 0.0000
CMYK	0.65, 0.11, 0.00, 0.00
HSL	190°, 100%, 67%
HSV	190°, 65%, 100%
XYZ	49.5436, 64.2329, 104.3947
YIQ	188.6310, -91.8320, -20.7600

Conversions

Conversions Part 2

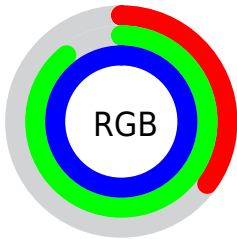
Format	Color
R _Y B	88, 164, 255
Decimal	5825535
CIE Lab	84.09, -29.01, -24.65
CIE LCh	84, 38.071, 220.351
Yxy	64.2329, 0.2271, 0.2944
Android (android.graphics.Color)	4284015615 (0xFF58E3FF)
YUV	188.6310, 32.7199, -88.2534
Hunter-Lab	80.1454, -29.9109, -21.1273

Details

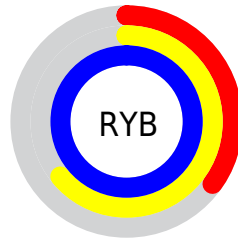
The XYZ color **49.5436, 64.2329, 104.3947** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **49.2480, 34.4570, 13.2899**, and the grayscale version is **48.0182, 50.5189, 55.0151**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **46.3838, 60.8909, 103.9162**, and if you desaturate by 10%, it is **53.5798, 68.0725, 104.9231**.

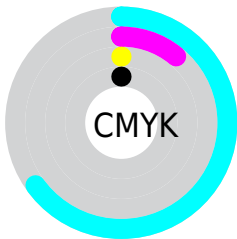
Distribution



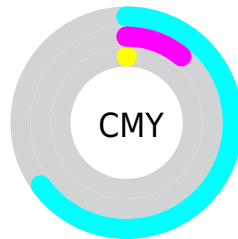
- Red (35%)
- Green (89%)
- Blue (100%)



- Red (35%)
- Yellow (64%)
- Blue (100%)



- Cyan (65%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5436, 64.2329, 104.3947 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 49.5436, 64.2329, 104.3947 by changing the saturation by 10% instead.

49.5436, 64.2329,
104.3947

49.5436, 64.2329,
104.3947

375.3600,
440.0302, 595.5591

35.2672, 46.8393,
79.3385

88.6942, 110.9463,
169.2879

24.0363, 32.9087,
58.6512

114.2990,
141.0349, 209.9619

15.4854, 22.0565,
41.9142

144.4108,
176.1240, 256.6790

9.2493, 13.8984,
28.7091

179.3948,
216.5979, 309.8577

4.9625, 8.0500,
18.6172

219.6163,
262.8411, 369.9165

2.2598, 4.1270,
11.2200

265.4408,

0.7740, 1.7448,

315.2380, 437.2740

6.0990

317.2336,
374.1729, 512.3486

■ 0.0000, 0.4524,
2.8356

■ 0.0000, 0.0000,
1.0113

■ 49.5436, 64.2329,
104.3947

■ 49.5436, 64.2329,
104.3947

■ 46.3838, 60.8909,
103.9162

■ 53.5798, 68.0725,
104.9231

■ 44.0023, 57.9915,
103.4821

■ 58.5662, 72.4440,
105.5041

■ 42.2864, 55.4778,
103.0873

■ 64.5750, 77.3863,
106.1413

■ 41.6556, 54.4311,
102.9185

■ 71.6697, 82.9324,
106.8379

■ 79.9084, 89.1126,
107.5966

■ 89.3453, 95.9551,
108.4199

95.0500, 100.0000,
108.9000

Harmonies

Analogous

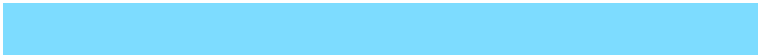
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.4919, 64.2329, 78.5899



49.5436, 64.2329, 104.3947



55.7762, 64.2329, 123.2178

Triad

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



49.5436, 64.2329, 104.3947



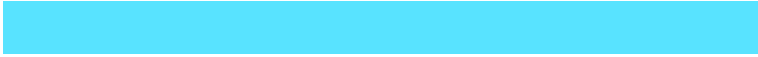
77.5734, 64.2329, 86.6872



58.1931, 64.2329, 33.5703

Complementary

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



49.5436, 64.2329, 104.3947



49.2480, 34.4570, 13.2899

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.



66.6492, 64.2329, 34.7750



49.5436, 64.2329, 104.3947



78.3716, 64.2329, 61.9469

Square

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



49.5436, 64.2329, 104.3947



72.1258, 64.2329, 111.4792



74.2161, 64.2329, 44.0451



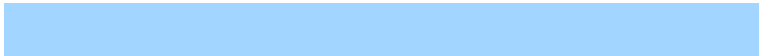
51.1730, 64.2329, 40.2606

Rectangle

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



49.5436, 64.2329, 104.3947



61.1505, 64.2329, 127.1903



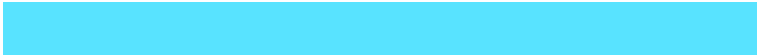
74.2161, 64.2329, 44.0451



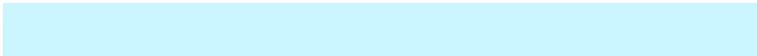
60.9525, 64.2329, 33.1111

Sweetspot

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



49.5454, 64.2352, 104.3951



76.0445, 86.2428, 107.2463



42.9286, 74.8525, 28.6601



15.7876, 18.0913, 22.9098



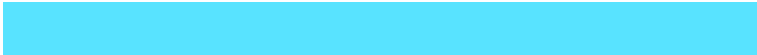
0.0000, 0.0000, 0.0000



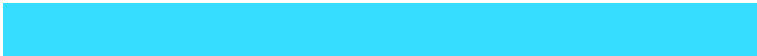
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5454, 64.2352, 104.3951



45.4634, 59.8242, 103.7588



31.9993, 29.1428, 98.5463



18.2804, 19.9324, 23.1338



21.8617, 28.6329, 53.8091



2.1942, 2.9192, 5.2611

Inverse Universe

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



58.5961, 33.7873, 76.1087



55.6196, 29.0892, 71.2479



63.5028, 62.9667, 18.0415



18.6542, 18.2450, 22.0621



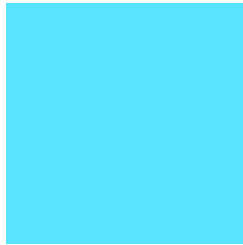
27.8230, 13.6185, 34.0478



2.7422, 1.3392, 3.4896

Previews

White Background



This preview shows how the XYZ color 49.5436, 64.2329, 104.3947 looks on a white background.

Color Contrast Check

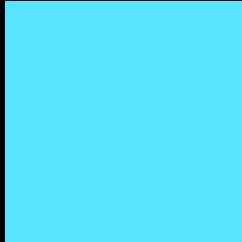
Large Text (above 18pt) WCAG AA × Fail

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 49.5436, 64.2329, 104.3947 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 49.5436, 64.2329, 104.3947

Background



This preview shows how black text looks on a background with the XYZ color 49.5436, 64.2329, 104.3947.

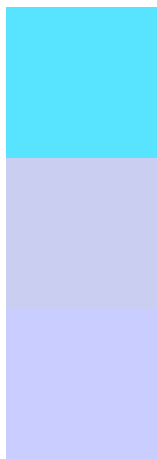


This preview shows how white text looks on a background with the XYZ color 49.5436, 64.2329,

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

49.5436, 64.2329, 104.3947

Protanopia

62.3056, 63.0500, 92.1051

Deuteranopia

64.2384, 63.4392, 103.4670



Tritanopia

48.1881, 64.0870, 97.8259

Trichromacy



Original Color

49.5436, 64.2329, 104.3947

Protanomaly

55.3791, 62.3240, 96.2997

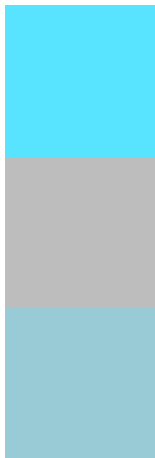
Deuteranomaly

56.5422, 62.3856, 103.6693

Tritanomaly

48.7450, 64.3202, 100.2884

Monochromacy



Original Color

49.5436, 64.2329, 104.3947

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.3151, 54.1914, 70.9697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5436, 64.2329, 104.3947 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(88, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5436, 64.2329, 104.3947 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(88, 227, 255) }
```


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

```
.border{ border-color:rgb(88, 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(88, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5436, 64.2329, 104.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 227, 255) }
```

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

```
.background{ background-color: rgb(88, 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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