

Converting Colors

XYZ(64.6314, 71.0515,
177.8543)

Have a look what the booklet for
XYZ(64.6314, 71.0515, 177.8543)
contains.

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Color

**XYZ(50.7886, 65.6915,
104.6106)**

Conversions

Conversions Part 1

Format	Color
Hex	5FE5FF
RGB	95, 229, 255
RGB Percent	37%, 90%, 100%
CMY	0.6274, 0.1019, 0.0000
CMYK	0.63, 0.10, 0.00, 0.00
HSL	190°, 100%, 69%
HSV	190°, 63%, 100%
XYZ	50.7886, 65.6915, 104.6106
YIQ	191.8980, -88.2100, -20.3220

Conversions

Conversions Part 2

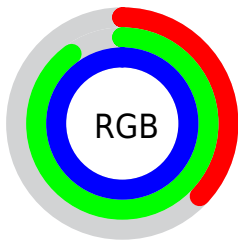
Format	Color
R _Y B	95, 168, 255
Decimal	6284799
CIE Lab	84.84, -28.91, -23.49
CIE LCh	85, 37.251, 219.092
Yxy	65.6915, 0.2297, 0.2971
Android (android.graphics.Color)	4284474879 (0xFF5FE5FF)
YUV	191.8980, 31.1093, -84.9795
Hunter-Lab	81.0503, -29.9844, -19.7897

Details

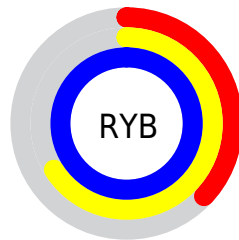
The XYZ color **50.7886, 65.6915, 104.6106** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.1440, 35.7624, 15.0885**, and the grayscale version is **49.9067, 52.5058, 57.1788**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **25.1366, 33.9644, 58.6570** is the 20% darker color. If you saturate the color by 10%, you get **47.4278, 62.2786, 104.1290**, and if you desaturate by 10%, it is **55.0470, 69.6105, 105.1426**.

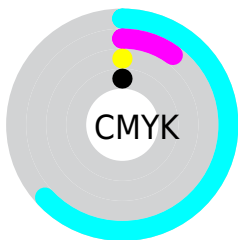
Distribution



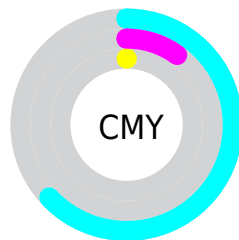
- Red (37%)
- Green (90%)
- Blue (100%)



- Red (37%)
- Yellow (66%)
- Blue (100%)



- Cyan (63%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7886, 65.6915, 104.6106 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 50.7886, 65.6915, 104.6106 by changing the saturation by 10% instead.

50.7886, 65.6915,
104.6106

50.7886, 65.6915,
104.6106

380.1431,
445.2728, 596.2482

36.2608, 48.0220,
79.5183

90.5271, 113.0434,
169.5858

24.8067, 33.8443,
58.7982

116.4684,
143.4947, 210.3059

16.0611, 22.7740,
42.0318

146.9449,
178.9753, 257.0723

9.6585, 14.4267,
28.8004

182.3220,
219.8697, 310.3035

5.2336, 8.4181,
18.6856

222.9650,
266.5622, 370.4182

2.4212, 4.3636,
11.2688

269.2393,

0.8557, 1.8790,

319.4373, 437.8348

6.1315

321.5102,
378.8794, 512.9720

■ 0.0000, 0.5357,
2.8551

■ 0.0000, 0.0000,
1.0211

■ 50.7886, 65.6915,
104.6106

■ 50.7886, 65.6915,
104.6106

■ 47.4278, 62.2786,
104.1290

■ 55.0470, 69.6105,
105.1426

■ 44.8707, 59.3190,
103.6925

■ 60.2739, 74.0684,
105.7276

■ 43.0120, 56.7594,
103.2964

■ 66.5394, 79.1028,
106.3691

■ 41.9868, 55.0935,
103.0289

■ 73.9055, 84.7460,
107.0701

■ 82.4291, 91.0277,
107.8334

■ 92.1631, 97.9754,
108.6614

■ 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.



47.8898, 65.6915, 79.0405



50.7886, 65.6915, 104.6106



56.8822, 65.6915, 123.6448

Triad

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



50.7886, 65.6915, 104.6106



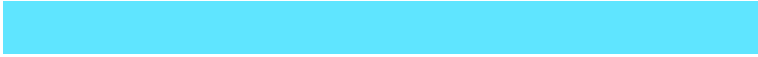
78.6667, 65.6915, 89.2208



59.9353, 65.6915, 35.0562

Complementary

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



50.7886, 65.6915, 104.6106



50.1440, 35.7624, 15.0885

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.



68.3438, 65.6915, 36.6012



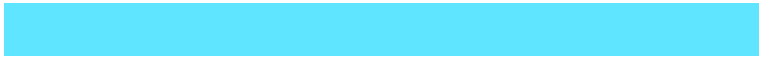
50.7886, 65.6915, 104.6106



79.6688, 65.6915, 64.5052

Square

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



50.7886, 65.6915, 104.6106



73.1174, 65.6915, 113.4731



75.7446, 65.6915, 46.2766



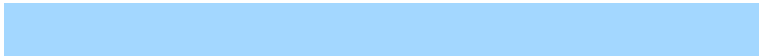
52.8523, 65.6915, 41.4485

Rectangle

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



50.7886, 65.6915, 104.6106



62.1837, 65.6915, 128.0482



75.7446, 65.6915, 46.2766



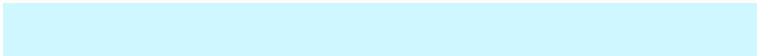
62.6926, 65.6915, 34.7019

Sweetspot

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



50.7905, 65.6938, 104.6110



76.9563, 87.0202, 107.3483



43.8104, 75.2854, 29.6776



15.9695, 18.2521, 22.9313



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.



50.7905, 65.6938, 104.6110



46.7834, 61.5722, 104.0266



33.8377, 31.7884, 98.9601



18.2888, 19.9492, 23.1366



22.0325, 28.9747, 53.8660



2.2093, 2.9494, 5.2661

Inverse Universe

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



59.4763, 35.1033, 77.7721



56.5036, 30.2764, 73.3330



63.7301, 62.9346, 19.6172



18.6584, 18.2467, 22.0844



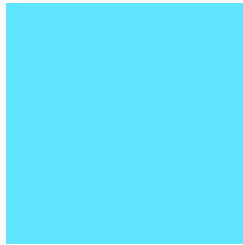
27.9092, 13.6530, 34.5020



2.7498, 1.3423, 3.5297

Previews

White Background



This preview shows how the XYZ color 50.7886, 65.6915, 104.6106 looks on a white background.

Color Contrast Check

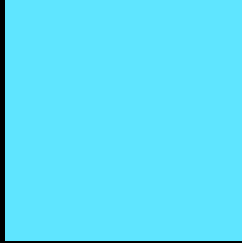
Large Text (above 18pt) WCAG AA × Fail

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 50.7886, 65.6915, 104.6106 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 50.7886, 65.6915, 104.6106

Background



This preview shows how black text looks on a background with the XYZ color 50.7886, 65.6915, 104.6106.

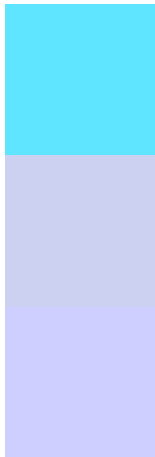


This preview shows how white text looks on a background with the XYZ color 50.7886, 65.6915,

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

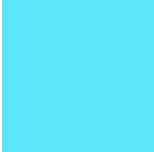
50.7886, 65.6915, 104.6106

Protanopia

63.8545, 64.9309, 92.3865

Deuteranopia

65.5749, 64.4844, 103.5983



Tritanopia

49.8093, 65.7085, 99.6803

Trichromacy



Original Color

50.7886, 65.6915, 104.6106



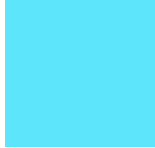
Protanomaly

56.7075, 63.7649, 96.5078



Deuteranomaly

57.8225, 63.4201, 103.8015



Tritanomaly

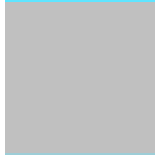
50.2236, 65.8858, 101.3370

Monochromacy



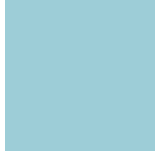
Original Color

50.7886, 65.6915, 104.6106



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.0017, 55.7370, 72.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7886, 65.6915, 104.6106 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(95, 229, 255)` looks like.

```
.text, #text, p{  
  color:rgb(95, 229, 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(95, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7886, 65.6915, 104.6106 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(95, 229, 255) }
```


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

```
.border{ border-color:rgb(95, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7886, 65.6915, 104.6106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 229, 255) }
```

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

```
.background{ background-color: rgb(95, 229,  
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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