

# Converting Colors

XYZ(51.5566, 66.1646, 96.4731)

Have a look what the booklet for  
XYZ(51.5566, 66.1646, 96.4731)  
contains.

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# **Color**

**XYZ(51.5710, 66.2760,  
96.4607)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 73E5F5                       |
| RGB         | 115, 229, 245                |
| RGB Percent | 45%, 90%, 96%                |
| CMY         | 0.5490, 0.1019, 0.0392       |
| CMYK        | 0.53, 0.07, 0.00, 0.04       |
| HSL         | 187°, 87%, 71%               |
| HSV         | 187°, 53%, 96%               |
| XYZ         | 51.5710, 66.2760, 96.4607    |
| YIQ         | 196.7380, -73.0800, -19.1920 |

# Conversions

## Conversions Part 2

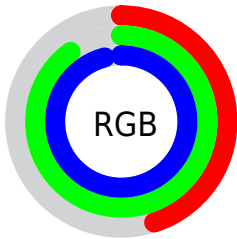
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">115, 176, 245</a>               |
| Decimal                             | <a href="#">7595509</a>                     |
| CIELab                              | <a href="#">85.14, -28.12, -17.71</a>       |
| CIElCh                              | <a href="#">85, 33.236, 212.200</a>         |
| Yxy                                 | <a href="#">66.2760, 0.2406, 0.3093</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285785589<br/>(0xFF73E5F5)</a> |
| YUV                                 | <a href="#">196.7380, 23.7932, -71.6842</a> |
| Hunter-Lab                          | <a href="#">81.4101, -29.3929, -13.2641</a> |

# Details

The XYZ color **51.5710, 66.2760, 96.4607** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8685, 36.8845, 20.7654**, and the grayscale version is **52.8076, 55.5577, 60.5024**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **25.3012, 34.1656, 53.4052** is the 20% darker color. If you saturate the color by 10%, you get **47.9407, 63.1782, 96.0553**, and if you desaturate by 10%, it is **56.0758, 69.8491, 96.9141**.

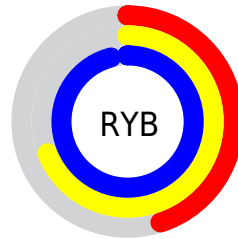
# Distribution



Red (45%)

Green (90%)

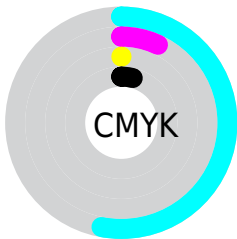
Blue (96%)



Red (45%)

Yellow (69%)

Blue (96%)

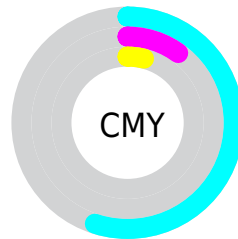


Cyan (53%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (55%)

Magenta (10%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5710, 66.2760, 96.4607 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 51.5710, 66.2760, 96.4607 by changing the saturation by 10% instead.



51.5710, 66.2760,  
96.4607

51.5710, 66.2760,  
96.4607

383.1294,  
447.3633, 569.9341

36.8861, 48.4965,  
72.7477

91.6762, 113.8824,  
158.2940

25.2926, 34.2202,  
53.2791

117.8273,  
144.4780, 197.2514

16.4251, 23.0628,  
37.6364

148.5311,  
180.1145, 242.1273

9.9182, 14.6399,  
25.4010

184.1531,  
221.1762, 293.3403

5.4066, 8.5671,  
16.1543

225.0586,  
268.0476, 351.3090

2.5249, 4.4599,  
9.4779

271.6129,

0.9079, 1.9340,

321.1129, 416.4518

4.9531

324.1814,  
380.7567, 489.1873

■ 0.0000, 0.5687,  
2.1615

■ 0.0000, 0.0000,  
0.6520

■ 51.5710, 66.2760,  
96.4607

■ 51.5710, 66.2760,  
96.4607

■ 47.9407, 63.1782,  
96.0553

■ 56.0758, 69.8491,  
96.9141

■ 45.1094, 60.5122,  
95.6899


■ 61.5109, 73.9219,  
97.4138


■ 42.9986, 58.2389,  
95.3624


■ 67.9346, 78.5261,  
97.9639

■ 41.5111, 56.3082,  
95.0681


■ 75.3986, 83.6884,  
98.5670

 40.7439, 55.1172,  
94.8787

 83.9509, 89.4337,  
99.2252

 91.0113, 94.4319,  
99.8178

 91.9413, 96.2920,  
100.1278

 92.8863, 98.1820,  
100.4428

 93.4817, 99.3727,  
100.6413

# Harmonies

## Analogous

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



49.6649, 66.2760, 73.7590



51.5710, 66.2760, 96.4607



56.5097, 66.2760, 115.1645

# Triad

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



51.5710, 66.2760, 96.4607



76.6173, 66.2760, 93.1695



62.4419, 66.2760, 38.2849

# Complementary

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



51.5710, 66.2760, 96.4607



48.8685, 36.8845, 20.7654

# 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.



69.9548, 66.2760, 41.4706



51.5710, 66.2760, 96.4607



78.5155, 66.2760, 70.5908

# Square

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



51.5710, 66.2760, 96.4607



70.9872, 66.2760, 113.0147



75.9888, 66.2760, 52.3325



55.6233, 66.2760, 42.5752

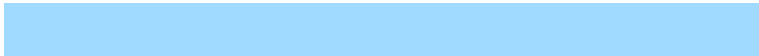


# Rectangle

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



51.5710, 66.2760, 96.4607



61.0581, 66.2760, 121.2512



75.9888, 66.2760, 52.3325



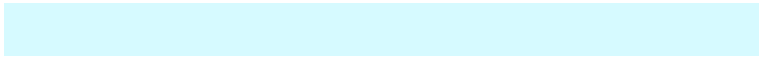
64.9690, 66.2760, 38.5156

# Sweetspot

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



51.5730, 66.2785, 96.4623



80.0190, 89.9043, 107.7436



43.7648, 70.5674, 32.4941



16.7614, 18.9909, 23.0321



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

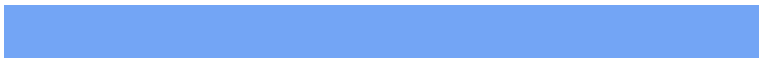
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5730, 66.2785, 96.4623



52.1278, 68.8533, 105.1503



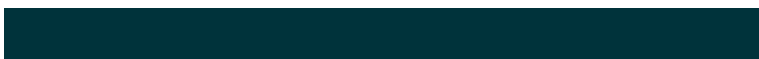
36.9787, 37.0898, 91.5975



16.8125, 18.3893, 21.2059



22.0189, 29.8317, 51.1356



1.9832, 2.7177, 4.5103



# Inverse Universe

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



57.9316, 37.3331, 78.2840



60.0330, 34.8730, 82.1004



60.3049, 59.7572, 24.5775



17.1207, 16.7311, 20.3821



26.9187, 13.1109, 35.8756

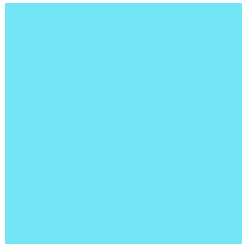


2.3901, 1.1620, 3.2805



# Previews

## White Background



This preview shows how the XYZ color 51.5710, 66.2760, 96.4607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

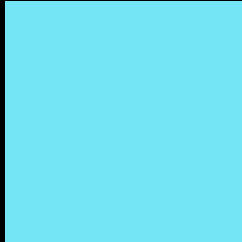
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5710, 66.2760, 96.4607 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 51.5710, 66.2760, 96.4607

## Background



This preview shows how black text looks on a background with the XYZ color 51.5710, 66.2760, 96.4607.



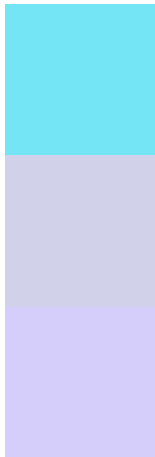
This preview shows how white text looks on a background with the XYZ color 51.5710, 66.2760,



# 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

51.5710, 66.2760, 96.4607

### Protanopia

64.0491, 65.5317, 86.3639

### Deuteranopia

66.7672, 65.1909, 99.5066



## Tritanopia

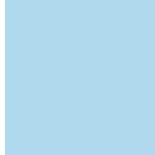
52.0103, 66.4670, 98.0839

# Trichromacy



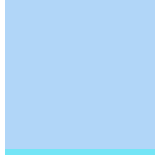
## Original Color

51.5710, 66.2760, 96.4607



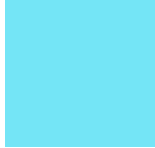
## Protanomaly

57.7781, 64.8541, 89.5936



## Deuteranomaly

59.1213, 64.2176, 98.0861



## Tritanomaly

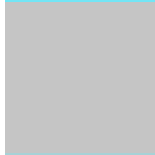
51.8563, 66.4054, 97.2732

# Monochromacy



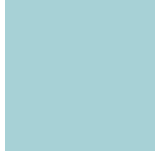
## Original Color

51.5710, 66.2760, 96.4607



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.8744, 58.6715, 72.2617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5710, 66.2760, 96.4607 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(115, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(115, 229, 245)  
}
```

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(115, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 229, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5710, 66.2760, 96.4607 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(115, 229, 245) }
```



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

```
.border{ border-color:rgb(115, 229, 245) }
```

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

Here you see how a box with a 4 pixel rgb(115, 229, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(115, 229,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5710, 66.2760, 96.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 229, 245) }
```

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

```
.background{ background-color: rgb(115,  
229, 245) }
```

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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