

# Converting Colors

XYZ(68.8749, 67.9720,  
197.0179)

Have a look what the booklet for  
XYZ(68.8749, 67.9720, 197.0179)  
contains.

<b>XYZ(51.0633, 60.6917, 103.6311)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(51.0633, 60.6917,  
103.6311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD8FF
RGB	125, 216, 255
RGB Percent	49%, 85%, 100%
CMY	0.5098, 0.1529, 0.0000
CMYK	0.51, 0.15, 0.00, 0.00
HSL	198°, 100%, 75%
HSV	198°, 51%, 100%
XYZ	51.0633, 60.6917, 103.6311
YIQ	193.2370, -66.7550, -7.1630

# Conversions

## Conversions Part 2

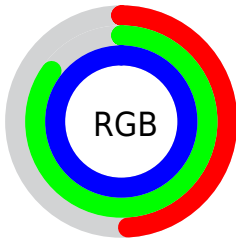
Format	Color
R <sub>YB</sub>	125, 179, 255
Decimal	8247551
CIE <sub>Lab</sub>	82.21, -16.86, -27.40
CIE <sub>LCh</sub>	82, 32.172, 238.390
Yxy	60.6917, 0.2371, 0.2818
Android (android.graphics.Color)	4286437631 (0xFF7DD8FF)
YUV	193.2370, 30.4492, -59.8438
Hunter-Lab	77.9049, -19.3345, -24.3357

# Details

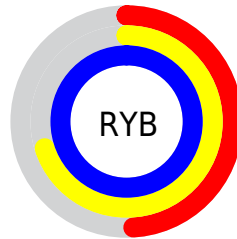
The XYZ color **51.0633, 60.6917, 103.6311** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.2180, 49.2927, 25.8500**, and the grayscale version is **50.6843, 53.3238, 58.0696**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **24.9245, 30.5911, 58.0171** is the 20% darker color. If you saturate the color by 10%, you get **45.8933, 55.1857, 102.8408**, and if you desaturate by 10%, it is **57.2835, 66.8771, 104.4972**.

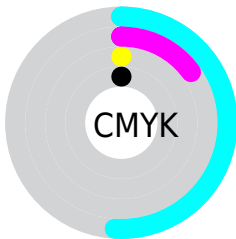
# Distribution



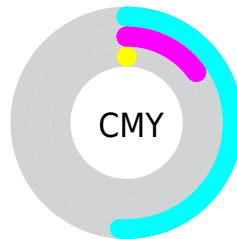
- Red (49%)
- Green (85%)
- Blue (100%)



- Red (49%)
- Yellow (70%)
- Blue (100%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0633, 60.6917, 103.6311 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 51.0633, 60.6917, 103.6311 by changing the saturation by 10% instead.



51.0633, 60.6917,  
103.6311

51.0633, 60.6917,  
103.6311

381.1933,  
427.1427, 593.1185

36.4802, 43.9764,  
78.7027

90.9308, 105.8324,  
168.2335

24.9771, 30.6520,  
58.1316

116.9459,  
135.0266, 208.7446

16.1887, 20.3340,  
41.4990

147.5024,  
169.1493, 255.2871

9.7495, 12.6380,  
28.3866

182.9656,  
208.5847, 308.2795

5.2941, 7.1798,  
18.3757

223.7010,  
253.7174, 368.1402

2.4574, 3.5748,  
11.0478

270.0738,

0.8738, 1.4387,

304.9317, 435.2880

5.9844

322.4495,  
362.6120, 510.1412

■ 0.0000, 0.2450,  
2.7670

■ 0.0000, 0.0000,  
0.9769

■ 51.0633, 60.6917,  
103.6311

■ 51.0633, 60.6917,  
103.6311

■ 45.8933, 55.1857,  
102.8408

■ 57.2835, 66.8771,  
104.4972

■ 41.6922, 50.3115,  
102.1214

■ 64.6166, 73.7723,  
105.4416

■ 38.3749, 46.0247,  
101.4688

■ 73.1262, 81.4129,  
106.4678

■ 35.8372, 42.2697,  
100.8778

■ 82.8697, 89.8303,  
107.5790

■ 34.0707, 39.2614,  
100.3902

93.9002, 99.0536,  
108.7779

95.0500, 100.0000,  
108.9000

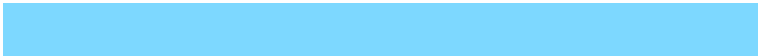
# Harmonies

## Analogous

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



46.8719, 60.6917, 85.6589



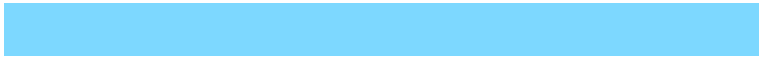
51.0633, 60.6917, 103.6311



57.3170, 60.6917, 111.3374

# Triad

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



51.0633, 60.6917, 103.6311



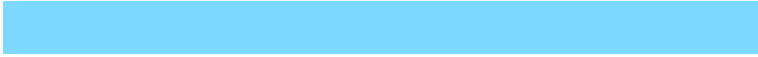
71.8563, 60.6917, 67.1466



51.6555, 60.6917, 38.1770

# Complementary

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



51.0633, 60.6917, 103.6311



58.2180, 49.2927, 25.8500

# 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.



58.0559, 60.6917, 35.1298



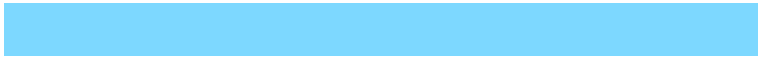
51.0633, 60.6917, 103.6311



70.0465, 60.6917, 49.7428

# Square

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



51.0633, 60.6917, 103.6311



69.6269, 60.6917, 87.8559



64.8571, 60.6917, 38.9156

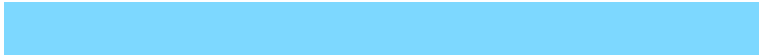


47.1943, 60.6917, 48.2418



# Rectangle

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



51.0633, 60.6917, 103.6311



61.9352, 60.6917, 108.6565



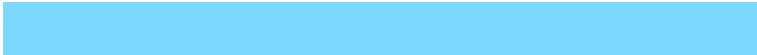
64.8571, 60.6917, 38.9156



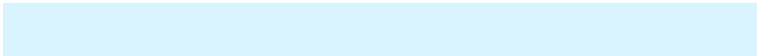
53.6350, 60.6917, 36.3973

# Sweetspot

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



51.0650, 60.6939, 103.6314



78.7991, 86.3496, 107.1217



50.7255, 78.4833, 46.5821



16.4271, 18.1029, 22.8784



0.0000, 0.0000, 0.0000

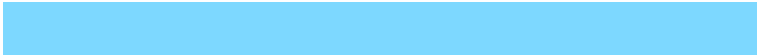


20.3446, 21.4041, 23.3091

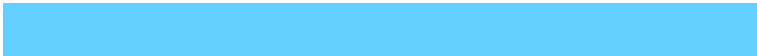


# Same Dimension

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



51.0650, 60.6939, 103.6314



45.8830, 55.1743, 102.8392



37.9276, 34.4190, 99.2523



18.0678, 19.5073, 23.0630



17.9397, 20.7889, 52.5017



1.8425, 2.2157, 5.1438



# Inverse Universe

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



60.9695, 40.8868, 69.6465



57.1713, 34.8399, 63.6036



72.3659, 77.5886, 30.5660



18.5469, 18.2021, 21.4971



25.8433, 12.8266, 23.6231

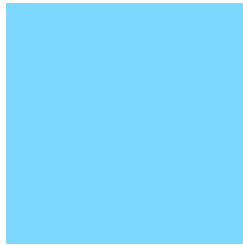


2.5646, 1.2682, 2.5546



# Previews

## White Background



This preview shows how the XYZ color 51.0633, 60.6917, 103.6311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

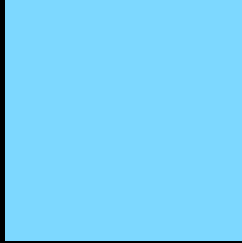
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0633, 60.6917, 103.6311 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 51.0633, 60.6917, 103.6311

## Background



This preview shows how black text looks on a background with the XYZ color 51.0633, 60.6917, 103.6311.



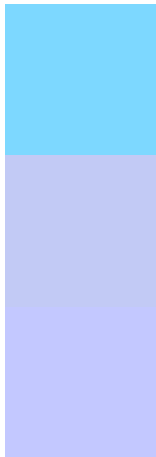
This preview shows how white text looks on a background with the XYZ color 51.0633, 60.6917,



# 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

51.0633, 60.6917, 103.6311

### Protanopia

59.8501, 60.3030, 94.8714

### Deuteranopia

61.2100, 60.1307, 102.9880



## Tritanopia

48.2253, 60.6994, 89.2952

# Trichromacy



## Original Color

51.0633, 60.6917, 103.6311

## Protanomaly

55.7739, 59.9002, 98.2448

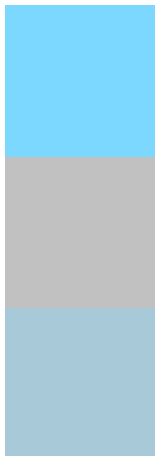
## Deuteranomaly

56.6989, 59.9087, 103.1829

## Tritanomaly

49.2857, 60.7394, 94.7142

# Monochromacy



## Original Color

51.0633, 60.6917, 103.6311

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.4298, 55.0560, 72.9874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0633, 60.6917, 103.6311 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(125, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 216, 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(125, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 216, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0633, 60.6917, 103.6311 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(125, 216, 255) }
```



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

```
.border{ border-color:rgb(125, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 216,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0633, 60.6917, 103.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 216, 255) }
```

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

```
.background{ background-color: rgb(125,  
216, 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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