

# Converting Colors

XYZ(53.7519, 67.6982,  
105.9627)

Have a look what the booklet for  
XYZ(53.7519, 67.6982, 105.9627)  
contains.

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# **Color**

**XYZ(53.4170, 67.4585,  
104.8132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73E6FF
RGB	115, 230, 255
RGB Percent	45%, 90%, 100%
CMY	0.5490, 0.0980, 0.0000
CMYK	0.55, 0.10, 0.00, 0.00
HSL	191°, 100%, 73%
HSV	191°, 55%, 100%
XYZ	53.4170, 67.4585, 104.8132
YIQ	198.4650, -76.5650, -16.6050

# Conversions

## Conversions Part 2

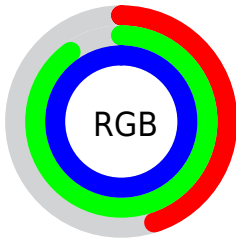
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 178, 255
Decimal	7595775
CIE <sub>Lab</sub>	85.73, -25.89, -22.07
CIE <sub>LCh</sub>	86, 34.023, 220.445
Yxy	67.4585, 0.2367, 0.2989
Android (android.graphics.Color)	4285785855 (0xFF73E6FF)
YUV	198.4650, 27.8718, -73.1988
Hunter-Lab	82.1331, -27.6417, -18.1690

# Details

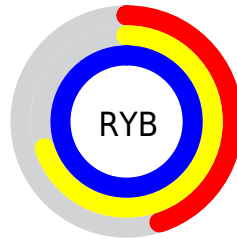
The XYZ color **53.4170, 67.4585, 104.8132** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.7133, 41.2548, 21.3535**, and the grayscale version is **53.8303, 56.6337, 61.6741**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **26.3678, 34.8848, 58.7698** is the 20% darker color. If you saturate the color by 10%, you get **49.2658, 63.4634, 104.2608**, and if you desaturate by 10%, it is **58.5323, 72.0027, 105.4207**.

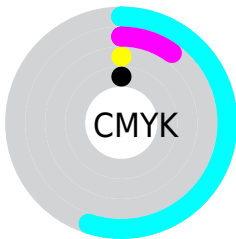
# Distribution



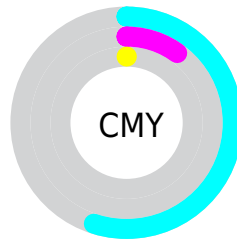
- Red (45%)
- Green (90%)
- Blue (100%)



- Red (45%)
- Yellow (70%)
- Blue (100%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4170, 67.4585, 104.8132 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 53.4170, 67.4585, 104.8132 by changing the saturation by 10% instead.



53.4170, 67.4585,  
104.8132

53.4170, 67.4585,  
104.8132

390.1177,  
451.5751, 596.8944

38.3646, 49.4573,  
79.6871

94.3796, 115.5771,  
169.8654

26.4443, 34.9824,  
58.9362

121.0205,  
146.4634, 210.6286

17.2907, 23.6493,  
42.1421

152.2550,  
182.4135, 257.4411

10.5386, 15.0737,  
28.8862

188.4483,  
223.8118, 310.7217

5.8225, 8.8711,  
18.7499

229.9659,  
271.0427, 370.8888

2.7771, 4.6572,  
11.3147

277.1731,

1.0370, 2.0476,

324.4906, 438.3609

6.1621

330.4352,  
384.5400, 513.5566

■ 0.0000, 0.6349,  
2.8735

■ 0.0000, 0.0000,  
1.0304

■ 53.4170, 67.4585,  
104.8132

■ 53.4170, 67.4585,  
104.8132

■ 49.2658, 63.4634,  
104.2608

■ 58.5323, 72.0027,  
105.4207

■ 45.9941, 59.9690,  
103.7588

■ 64.6759, 77.1250,  
106.0856

■ 43.5123, 56.9302,  
103.3030

■ 71.9127, 82.8608,  
106.8113

■ 41.7074, 54.2883,  
102.8882

■ 80.3010, 89.2404,  
107.6006

■ 40.9657, 53.0514,  
102.6886

■ 89.8944, 96.2918,  
108.4560

95.0500, 100.0000,  
108.9000

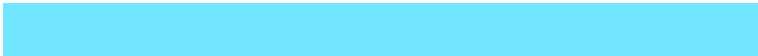
# Harmonies

## Analogous

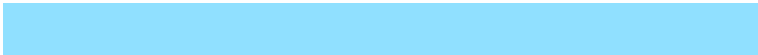
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.5318, 67.4585, 81.4751



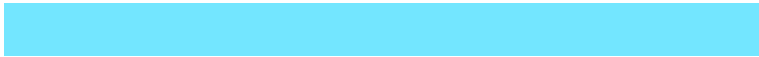
53.4170, 67.4585, 104.8132



59.2506, 67.4585, 121.5373

# Triad

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



53.4170, 67.4585, 104.8132



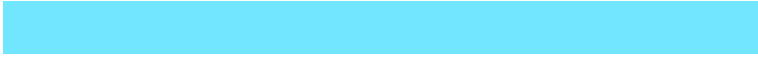
79.2338, 67.4585, 88.7060



61.4496, 67.4585, 38.9258

# Complementary

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



53.4170, 67.4585, 104.8132



53.7133, 41.2548, 21.3535

# 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.



69.2434, 67.4585, 40.0878



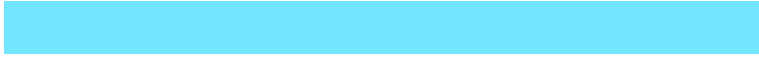
53.4170, 67.4585, 104.8132



79.9425, 67.4585, 65.9716

# Square

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



53.4170, 67.4585, 104.8132



74.2943, 67.4585, 111.0164



76.1588, 67.4585, 49.0663



54.9149, 67.4585, 45.4885

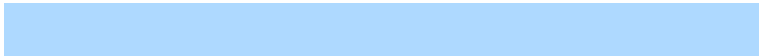


# Rectangle

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



53.4170, 67.4585, 104.8132



64.2332, 67.4585, 125.0171



76.1588, 67.4585, 49.0663



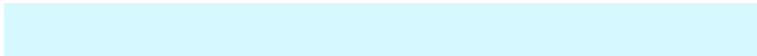
64.0015, 67.4585, 38.4646

# Sweetspot

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



53.4189, 67.4609, 104.8135



79.3198, 88.5060, 107.5105



47.4430, 77.0101, 36.5373



16.5932, 18.6545, 22.9761



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.



53.4189, 67.4609, 104.8135



48.8641, 63.0550, 104.2032



37.9834, 36.5901, 99.6684



18.2628, 19.8972, 23.1279



21.5057, 27.9210, 53.6904



2.1628, 2.8562, 5.2506



# Inverse Universe

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



61.6549, 39.2362, 79.1894



58.2077, 33.4614, 74.5889



66.9726, 67.7734, 25.7732



18.6453, 18.2414, 22.0152



27.6433, 13.5466, 33.1017

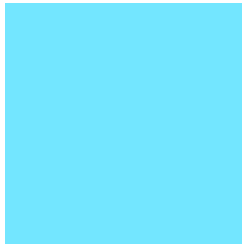


2.7263, 1.3329, 3.4059



# Previews

## White Background



This preview shows how the XYZ color 53.4170, 67.4585, 104.8132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

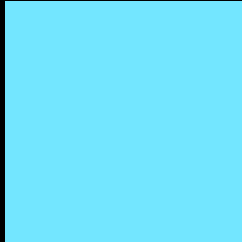
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4170, 67.4585, 104.8132 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 53.4170, 67.4585, 104.8132

## Background



This preview shows how black text looks on a background with the XYZ color 53.4170, 67.4585, 104.8132.



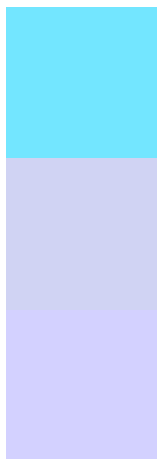
This preview shows how white text looks on a background with the XYZ color 53.4170, 67.4585,



# 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

53.4170, 67.4585, 104.8132

### Protanopia

65.4844, 66.4695, 94.1725

### Deuteranopia

67.7144, 66.6698, 103.9074



## Tritanopia

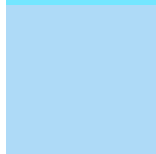
52.6413, 67.5647, 100.7093

# Trichromacy



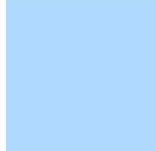
## Original Color

53.4170, 67.4585, 104.8132



## Protanomaly

59.3155, 65.8569, 97.5811



## Deuteranomaly

60.7674, 66.0758, 104.1589



## Tritanomaly

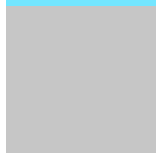
53.0860, 67.7575, 102.3760

# Monochromacy



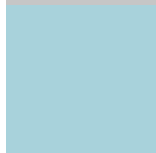
## Original Color

53.4170, 67.4585, 104.8132



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

51.9812, 59.5325, 75.7691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4170, 67.4585, 104.8132 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 230, 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(115, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4170, 67.4585, 104.8132 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, 230, 255) }
```



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

```
.border{ border-color:rgb(115, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 230,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4170, 67.4585, 104.8132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 230, 255) }
```

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

```
.background{ background-color: rgb(115,  
230, 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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