

# Converting Colors

XYZ(45.8000, 55.2915, 94.9145)

Have a look what the booklet for  
XYZ(45.8000, 55.2915, 94.9145)  
contains.

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# Color

**XYZ(45.7194, 55.1491,  
94.6214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70D0F5
RGB	112, 208, 245
RGB Percent	44%, 82%, 96%
CMY	0.5608, 0.1843, 0.0392
CMYK	0.54, 0.15, 0.00, 0.04
HSL	197°, 87%, 70%
HSV	197°, 54%, 96%
XYZ	45.7194, 55.1491, 94.6214
YIQ	183.5140, -69.0930, -8.8450

# Conversions

## Conversions Part 2

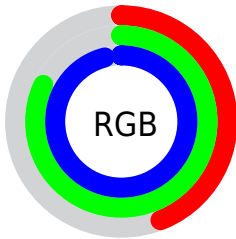
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	112, 168, 245
Decimal	7393525
CIE Lab	79.13, -18.27, -26.84
CIE LCh	79, 32.470, 235.765
Yxy	55.1491, 0.2339, 0.2821
Android (android.graphics.Color)	4285583605 (0xFF70D0F5)
YUV	183.5140, 30.3126, -62.7178
Hunter-Lab	74.2624, -20.0664, -23.5606

# Details

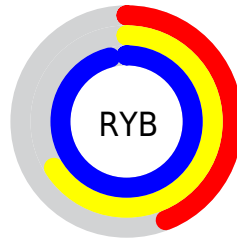
The XYZ color **45.7194, 55.1491, 94.6214** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.3297, 42.0789, 20.7477**, and the grayscale version is **45.1595, 47.5113, 51.7398**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **21.8231, 27.3432, 52.2717** is the 20% darker color. If you saturate the color by 10%, you get **41.3899, 50.5041, 93.9540**, and if you desaturate by 10%, it is **50.9718, 60.3781, 95.3549**.

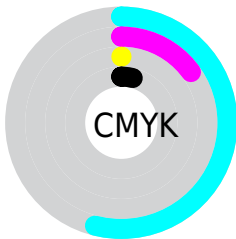
# Distribution



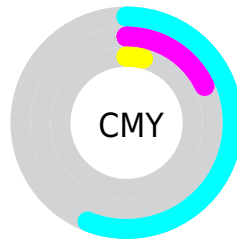
- Red (44%)
- Green (82%)
- Blue (96%)



- Red (44%)
- Yellow (66%)
- Blue (96%)



- Cyan (54%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (18%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7194, 55.1491, 94.6214 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 45.7194, 55.1491, 94.6214 by changing the saturation by 10% instead.



■ 45.7194, 55.1491,  
94.6214

■ 45.7194, 55.1491,  
94.6214

360.4143,  
406.4769, 563.9056

■ 32.2281, 39.5211,  
71.2248

■ 83.0293, 97.7594,  
155.7325

■ 21.6922, 27.1654,  
52.0427

■ 107.5787,  
125.5104, 194.2841

■ 13.7462, 17.6975,  
36.6566

■ 136.5449,  
158.0713, 238.7244

■ 8.0249, 10.7330,  
24.6480

170.2931,  
195.8264, 289.4719

■ 4.1628, 5.8876,  
15.5984

209.1888,  
239.1602, 346.9453

■ 1.7947, 2.7768,  
9.0892

253.5973,

■ 0.5145, 1.0164,

288.4569, 411.5630

4.7018

303.8840,  
344.1010, 483.7436

■ 0.0000, 0.0000,  
2.0177

■ 0.0000, 0.0000,  
0.5661

■ 45.7194, 55.1491,  
94.6214

■ 45.7194, 55.1491,  
94.6214

■ 41.3899, 50.5041,  
93.9540

■ 50.9718, 60.3781,  
95.3549

■ 37.9066, 46.3989,  
93.3452

■ 57.2052, 66.2191,  
96.1538

■ 35.1883, 42.7915,  
92.7922

■ 64.4791, 72.7050,  
97.0223

■ 33.1340, 39.6283,  
92.2899

■ 72.8465, 79.8645,  
97.9632

■ 32.1730, 37.9754,  
92.0215

■ 82.3565, 87.7240,  
98.9790

■ 91.5657, 95.5407,  
100.0024

■ 93.4816, 99.3727,  
100.6411

# Harmonies

## Analogous

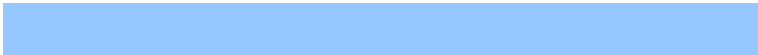
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9837, 55.1491, 76.9228



45.7194, 55.1491, 94.6214



51.5034, 55.1491, 103.0980

# Triad

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



45.7194, 55.1491, 94.6214



65.8427, 55.1491, 62.7201



47.1888, 55.1491, 33.3162

# Complementary

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



45.7194, 55.1491, 94.6214



51.3297, 42.0789, 20.7477

# 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.



53.3425, 55.1491, 31.0417



45.7194, 55.1491, 94.6214



64.4510, 55.1491, 45.8414

# Square

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



45.7194, 55.1491, 94.6214



63.4014, 55.1491, 82.4292



59.7399, 55.1491, 35.1261



42.7818, 55.1491, 42.1360



# Rectangle

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



45.7194, 55.1491, 94.6214



55.8742, 55.1491, 101.3242



59.7399, 55.1491, 35.1261



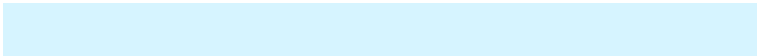
49.1065, 55.1491, 31.8500

# Sweetspot

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



45.7212, 55.1512, 94.6227



78.0854, 86.0371, 107.0990



44.6392, 70.8722, 39.1251



16.2969, 18.0619, 22.8773



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.



45.7212, 55.1512, 94.6227



44.9673, 54.9031, 102.8351



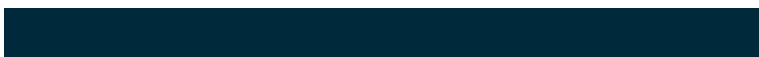
32.9927, 29.6943, 90.3799



16.5843, 17.9328, 21.1299



17.4545, 20.7028, 49.6141



1.6202, 1.9919, 4.3893



# Inverse Universe

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



54.8371, 35.5567, 63.6495



56.3282, 33.0444, 63.6595



64.6204, 68.6602, 25.1779



17.0055, 16.6850, 19.7754



24.6147, 12.1893, 23.7433

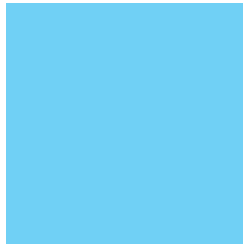


2.2069, 1.0887, 2.3158



# Previews

## White Background



This preview shows how the XYZ color 45.7194, 55.1491, 94.6214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

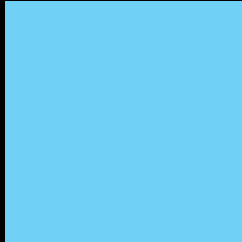
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7194, 55.1491, 94.6214 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 45.7194, 55.1491, 94.6214

## Background



This preview shows how black text looks on a background with the XYZ color 45.7194, 55.1491, 94.6214.



This preview shows how white text looks on a background with the XYZ color 45.7194, 55.1491,



# 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

45.7194, 55.1491, 94.6214

### Protanopia

54.3151, 54.5772, 86.2690

### Deuteranopia

55.7373, 54.4154, 97.1881



## Tritanopia

43.2417, 55.2541, 81.7848

# Trichromacy



**Original Color**

45.7194, 55.1491, 94.6214

**Protanomaly**

50.0721, 53.9911, 89.4436

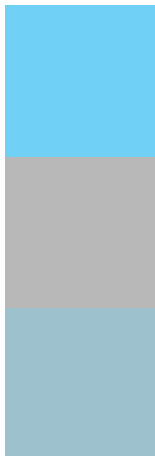
**Deuteranomaly**

51.0101, 53.9789, 96.5374

**Tritanomaly**

44.0822, 55.2218, 86.1774

# Monochromacy



**Original Color**

45.7194, 55.1491, 94.6214

**Achromatopsia**

45.5594, 47.9320, 52.1980

**Achromatomaly**

44.3111, 49.8653, 65.6820

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7194, 55.1491, 94.6214 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(112, 208, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 208, 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(112, 208, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 208, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7194, 55.1491, 94.6214 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(112, 208, 245) }
```



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

```
.border{ border-color:rgb(112, 208, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 208, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 208, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 208, 245); box-shadow:4px 4px 4px 4px rgb(112, 208, 245) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7194, 55.1491, 94.6214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 208, 245) }
```

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

```
.background{ background-color: rgb(112,  
208, 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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