

# Converting Colors

XYZ(57.3213, 64.6856,  
104.0722)

Have a look what the booklet for  
XYZ(57.3213, 64.6856, 104.0722)  
contains.

<b>XYZ(57.2220, 64.6319, 104.0670)</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(57.2220, 64.6319,  
104.0670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EDAFF
RGB	158, 218, 255
RGB Percent	62%, 85%, 100%
CMY	0.3804, 0.1451, 0.0000
CMYK	0.38, 0.15, 0.00, 0.00
HSL	203°, 100%, 81%
HSV	203°, 38%, 100%
XYZ	57.2220, 64.6319, 104.0670
YIQ	204.2780, -47.6370, -1.2130

# Conversions

## Conversions Part 2

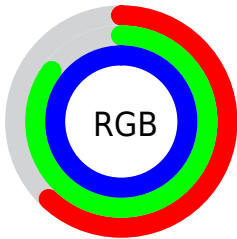
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 195, 255
Decimal	10410751
CIE <sub>Lab</sub>	84.29, -10.11, -24.09
CIE <sub>LCh</sub>	84, 26.121, 247.237
Yxy	64.6319, 0.2533, 0.2861
Android (android.graphics.Color)	4288600831 (0xFF9EDAFF)
YUV	204.2780, 25.0059, -40.5858
Hunter-Lab	80.3940, -13.6385, -20.4729

# Details

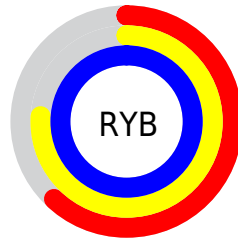
The XYZ color **57.2220, 64.6319, 104.0670** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.9273, 62.7594, 40.9362**, and the grayscale version is **57.4403, 60.4317, 65.8101**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **28.7697, 33.0964, 58.2980** is the 20% darker color. If you saturate the color by 10%, you get **50.2684, 57.4135, 103.0402**, and if you desaturate by 10%, it is **65.3679, 72.6876, 105.1926**.

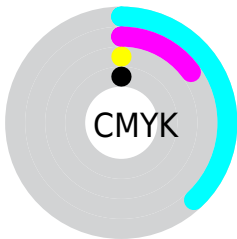
# Distribution



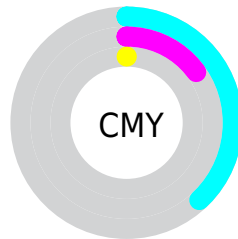
- Red (62%)
- Green (85%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2220, 64.6319, 104.0670 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 57.2220, 64.6319, 104.0670 by changing the saturation by 10% instead.



■ 57.2220, 64.6319,  
104.0670

■ 57.2220, 64.6319,  
104.0670

404.2814,  
441.4680, 594.5123

■ 41.4243, 47.1627,  
79.0656

■ 99.9185, 111.5205,  
168.8355

■ 28.8399, 33.1643,  
58.4281

■ 127.5481,  
141.7086, 209.4397

■ 19.1034, 22.2523,  
41.7360

159.8524,  
176.9052, 256.0819

■ 11.8495, 14.0424,  
28.5706

197.1967,  
217.4945, 309.1807

■ 6.7127, 8.1502,  
18.5134

239.9464,  
263.8611, 369.1546

■ 3.3278, 4.1912,  
11.1460

288.4668,

■ 1.3294, 1.7811,

316.3893, 436.4221

6.0497

343.1234,  
375.4634, 511.4019

■ 0.2051, 0.4753,  
2.8061

■ 0.0000, 0.0000,  
0.9965

■ 57.2220, 64.6319,  
104.0670

■ 57.2220, 64.6319,  
104.0670

■ 50.2684, 57.4135,  
103.0402

■ 65.3679, 72.6876,  
105.1926

■ 44.4343, 50.9867,  
102.1072

■ 74.7623, 81.6089,  
106.4194

■ 39.6467, 45.3116,  
101.2642

■ 85.4642, 91.4312,  
107.7513

■ 35.8210, 40.3406,  
100.5063

95.0500, 100.0000,  
108.9000

■ 32.8576, 36.0183,  
99.8282

■ 30.6222, 32.2714,  
99.2228

■ 30.2321, 31.5841,  
99.1107

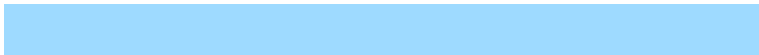
# Harmonies

## Analogous

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



52.9848, 64.6319, 91.4886



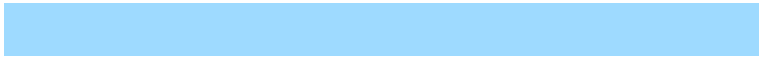
57.2220, 64.6319, 104.0670



62.8441, 64.6319, 106.9884

# Triad

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



57.2220, 64.6319, 104.0670



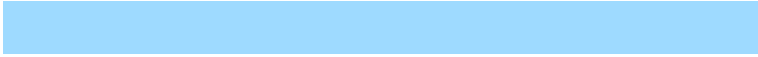
73.1529, 64.6319, 66.4318



54.9358, 64.6319, 47.9142

# Complementary

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



57.2220, 64.6319, 104.0670



66.9273, 62.7594, 40.9362

# 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.



60.0386, 64.6319, 43.2400



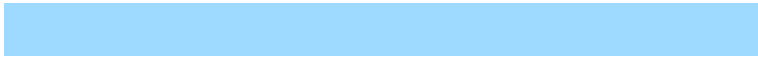
57.2220, 64.6319, 104.0670



70.7295, 64.6319, 52.7856

# Square

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



57.2220, 64.6319, 104.0670



72.2816, 64.6319, 83.4480



65.8408, 64.6319, 44.8718

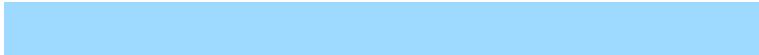


51.7240, 64.6319, 58.7407



# Rectangle

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



57.2220, 64.6319, 104.0670



66.6693, 64.6319, 102.7075



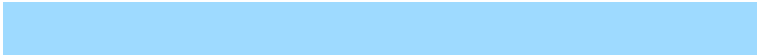
65.8408, 64.6319, 44.8718



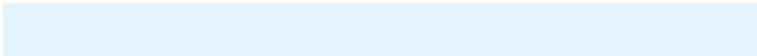
56.4739, 64.6319, 45.6557

# Sweetspot

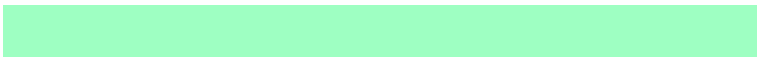
The Sweet Spot groups the original color and five complimentary colors.



57.2238, 64.6343, 104.0674



82.1541, 88.4255, 107.3456



59.5508, 82.6653, 63.6032



17.2686, 18.6380, 22.9373



0.0000, 0.0000, 0.0000

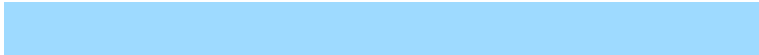


20.3446, 21.4041, 23.3091

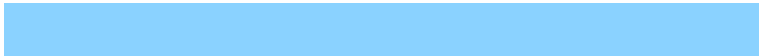


# Same Dimension

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



57.2238, 64.6343, 104.0674



51.5923, 58.8189, 103.2417



46.7025, 43.5917, 100.5603



17.9388, 19.2493, 23.0200



15.9457, 16.8009, 51.8371



1.6582, 1.8470, 5.0824



# Inverse Universe

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



66.1230, 50.7775, 72.6482



61.9507, 44.0171, 66.3731



79.1841, 87.2731, 45.0218



18.4818, 18.1760, 21.1542



24.8368, 12.4240, 18.3231

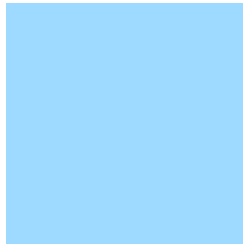


2.4716, 1.2310, 2.0647



# Previews

## White Background



This preview shows how the XYZ color 57.2220, 64.6319, 104.0670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

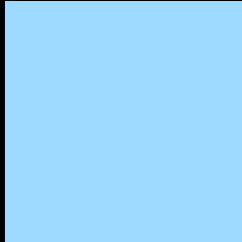
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.2220, 64.6319, 104.0670 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

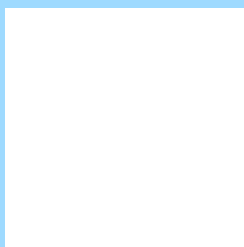
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 57.2220, 64.6319, 104.0670

## Background



This preview shows how black text looks on a background with the XYZ color 57.2220, 64.6319, 104.0670.



This preview shows how white text looks on a background with the XYZ color 57.2220, 64.6319,



# 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

57.2220, 64.6319, 104.0670

### Protanopia

63.5865, 64.3066, 97.8680

### Deuteranopia

65.3349, 64.0045, 103.5183



## Tritanopia

54.7629, 64.8149, 91.2856

# Trichromacy



**Original Color**

57.2220, 64.6319, 104.0670

**Protanomaly**

60.9637, 64.3663, 100.4776

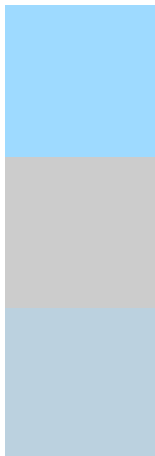
**Deuteranomaly**

62.0829, 64.1320, 103.7143

**Tritanomaly**

55.5922, 64.7475, 95.9537

# Monochromacy



**Original Color**

57.2220, 64.6319, 104.0670

**Achromatopsia**

57.3938, 60.3827, 65.7568

**Achromatomaly**

56.6133, 61.4934, 78.6976

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2220, 64.6319, 104.0670 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(158, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 218, 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(158, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2220, 64.6319, 104.0670 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(158, 218, 255) }
```



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

```
.border{ border-color:rgb(158, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2220, 64.6319, 104.0670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 218, 255) }
```

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

```
.background{ background-color: rgb(158,  
218, 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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