

# Converting Colors

XYZ(57.1107, 66.0070,  
104.9595)

Have a look what the booklet for  
XYZ(57.1107, 66.0070, 104.9595)  
contains.

<b>XYZ(57.1202, 66.1380, 104.3631)</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(57.1202, 66.1380,  
104.3631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98DEFF
RGB	152, 222, 255
RGB Percent	60%, 87%, 100%
CMY	0.4039, 0.1294, 0.0000
CMYK	0.40, 0.13, 0.00, 0.00
HSL	199°, 100%, 80%
HSV	199°, 40%, 100%
XYZ	57.1202, 66.1380, 104.3631
YIQ	204.8320, -52.3130, -4.5770

# Conversions

## Conversions Part 2

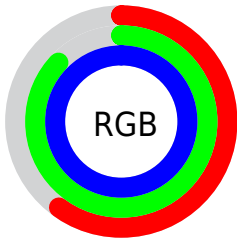
Format	Color
<a href="#">RYB</a>	152, 194, 255
Decimal	10018559
CIELab	85.07, -13.69, -22.94
CIELCh	85, 26.714, 239.173
Yxy	66.1380, 0.2509, 0.2906
Android (android.graphics.Color)	4288208639 (0xFF98DEFF)
YUV	204.8320, 24.7328, -46.3337
Hunter-Lab	81.3253, -16.9467, -19.1580

# Details

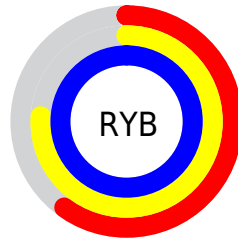
The XYZ color **57.1202, 66.1380, 104.3631** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.2570, 58.2254, 37.5596**, and the grayscale version is **57.7949, 60.8048, 66.2164**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **28.7311, 34.1475, 58.5029** is the 20% darker color. If you saturate the color by 10%, you get **50.7335, 59.7035, 103.4577**, and if you desaturate by 10%, it is **64.6417, 73.3166, 105.3523**.

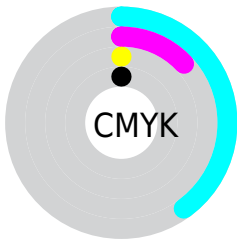
# Distribution



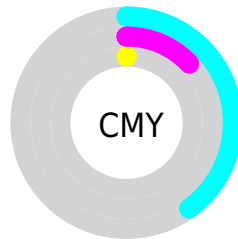
- Red (60%)
- Green (87%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1202, 66.1380, 104.3631 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 57.1202, 66.1380, 104.3631 by changing the saturation by 10% instead.



57.1202, 66.1380,  
104.3631

57.1202, 66.1380,  
104.3631

403.9065,  
446.8703, 595.4582

41.3423, 48.3844,  
79.3122

99.7709, 113.6844,  
169.2442

28.7755, 34.1314,  
58.6297

127.3744,  
144.2460, 209.9116

19.0545, 22.9946,  
41.8971

159.6504,  
179.8457, 256.6215

11.8139, 14.5895,  
28.6957

196.9644,  
220.8680, 309.7924

6.6884, 8.5318,  
18.6072

239.6816,  
267.6972, 369.8431

3.3126, 4.4371,  
11.2128

288.1675,

1.3211, 1.9209,

320.7177, 437.1919

6.0942

342.7873,  
380.3139, 512.2574

■ 0.1990, 0.5609,  
2.8327

■ 0.0000, 0.0000,  
1.0099

■ 57.1202, 66.1380,  
104.3631

■ 57.1202, 66.1380,  
104.3631

■ 50.7335, 59.7035,  
103.4577

■ 64.6417, 73.3166,  
105.3523

■ 45.4082, 53.9686,  
102.6315

■ 73.3542, 81.2659,  
106.4274

■ 41.0703, 48.8944,  
101.8807

■ 83.3169, 90.0199,  
107.5921

■ 37.6336, 44.4341,  
101.2009

■ 94.5831, 99.6084,  
108.8490

■ 34.9947, 40.5322,  
100.5868

95.0500, 100.0000,  
108.9000

■ 33.0525, 37.2250,  
100.0508

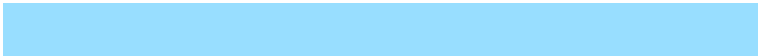
# Harmonies

## Analogous

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



53.2955, 66.1380, 89.3944



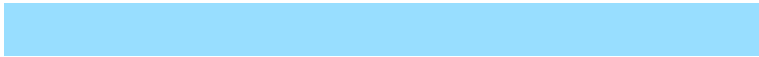
57.1202, 66.1380, 104.3631



62.6955, 66.1380, 110.4663

# Triad

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



57.1202, 66.1380, 104.3631



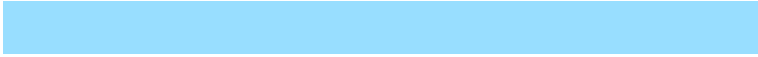
75.1493, 66.1380, 72.4919



57.3917, 66.1380, 46.7922

# Complementary

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



57.1202, 66.1380, 104.3631



64.2570, 58.2254, 37.5596

# 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.



63.0292, 66.1380, 43.7131



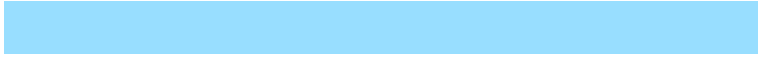
57.1202, 66.1380, 104.3631



73.5103, 66.1380, 57.0447

# Square

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



57.1202, 66.1380, 104.3631



73.3253, 66.1380, 90.3537



68.9766, 66.1380, 47.1516

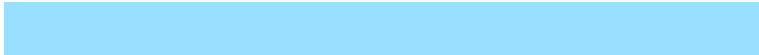


53.4450, 66.1380, 56.3391



# Rectangle

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



57.1202, 66.1380, 104.3631



66.7374, 66.1380, 108.0451



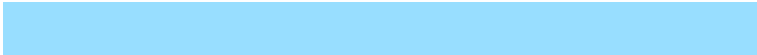
68.9766, 66.1380, 47.1516



59.1400, 66.1380, 45.0410

# Sweetspot

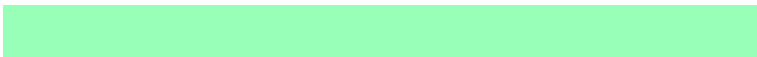
The Sweet Spot groups the original color and five complimentary colors.



57.1221, 66.1405, 104.3635



81.6266, 88.5553, 107.3984



57.4266, 81.6826, 58.4284



17.1831, 18.7034, 22.9544



0.0000, 0.0000, 0.0000

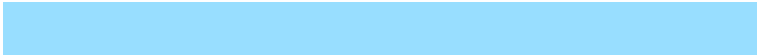


20.3446, 21.4041, 23.3091

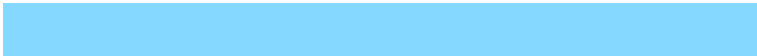


# Same Dimension

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



57.1221, 66.1405, 104.3635



52.1612, 61.1769, 103.6669



45.5413, 42.9790, 100.5032



18.0354, 19.4425, 23.0522



17.4115, 19.7326, 52.3257



1.7941, 2.1189, 5.1277



# Inverse Universe

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



65.6543, 48.9921, 75.1060



61.9401, 42.8726, 69.8323



76.9372, 83.5857, 41.7864



18.5305, 18.1955, 21.4109



25.5767, 12.7200, 22.2193

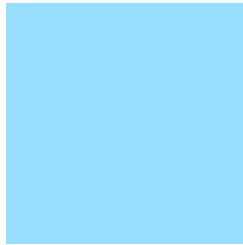


2.5402, 1.2585, 2.4261



# Previews

## White Background



This preview shows how the XYZ color 57.1202, 66.1380, 104.3631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

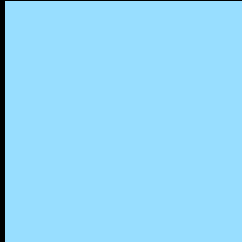
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1202, 66.1380, 104.3631 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 57.1202, 66.1380, 104.3631

## Background



This preview shows how black text looks on a background with the XYZ color 57.1202, 66.1380, 104.3631.



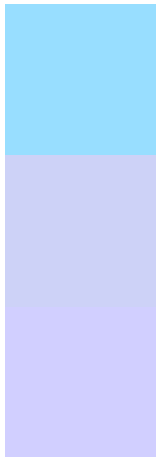
This preview shows how white text looks on a background with the XYZ color 57.1202, 66.1380,



# 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

57.1202, 66.1380, 104.3631

### Protanopia

65.0119, 65.7877, 97.2675

### Deuteranopia

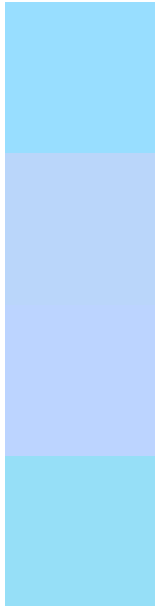
66.6573, 65.4010, 103.7182



## Tritanopia

55.0771, 66.1117, 93.8624

# Trichromacy



## Original Color

57.1202, 66.1380, 104.3631

## Protanomaly

61.5516, 65.4344, 99.8285

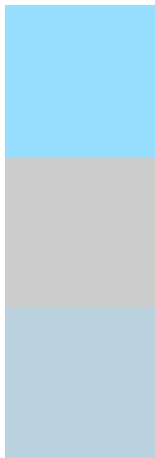
## Deuteranomaly

62.3325, 64.9983, 103.8684

## Tritanomaly

55.7539, 65.9748, 97.7916

# Monochromacy



## Original Color

57.1202, 66.1380, 104.3631

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

56.8632, 62.3553, 78.8508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1202, 66.1380, 104.3631 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(152, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 222, 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(152, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 222, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1202, 66.1380, 104.3631 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(152, 222, 255) }
```



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

```
.border{ border-color:rgb(152, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 222,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1202, 66.1380, 104.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 222, 255) }
```

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

```
.background{ background-color: rgb(152,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor