

# Converting Colors

XYZ(57.5745, 66.7677,  
104.4607)

Have a look what the booklet for  
XYZ(57.5745, 66.7677, 104.4607)  
contains.

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# **Color**

**XYZ(57.5745, 66.7677,  
104.4607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99DFFF
RGB	153, 223, 255
RGB Percent	60%, 87%, 100%
CMY	0.4000, 0.1255, 0.0000
CMYK	0.40, 0.13, 0.00, 0.00
HSL	199°, 100%, 80%
HSV	199°, 40%, 100%
XYZ	57.5745, 66.7677, 104.4607
YIQ	205.7180, -51.9920, -4.8880

# Conversions

## Conversions Part 2

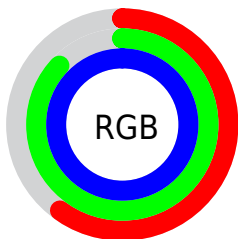
Format	Color
R <sub>Y</sub> B	153, 195, 255
Decimal	10084351
CIE Lab	85.39, -13.95, -22.45
CIE LCh	85, 26.433, 238.141
Yxy	66.7677, 0.2516, 0.2918
Android (android.graphics.Color)	4288274431 (0xFF99DFFF)
YUV	205.7180, 24.2960, -46.2337
Hunter-Lab	81.7115, -17.2228, -18.5988

# Details

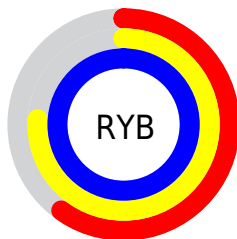
The XYZ color **57.5745, 66.7677, 104.4607** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.3391, 58.2580, 37.9926**, and the grayscale version is **58.3611, 61.4004, 66.8650**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **29.1254, 34.6239, 58.5741** is the 20% darker color. If you saturate the color by 10%, you get **51.1793, 60.3741, 103.5637**, and if you desaturate by 10%, it is **65.1028, 73.8984, 105.4403**.

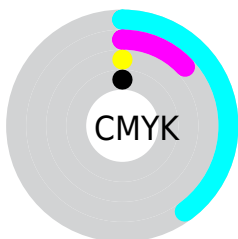
# Distribution



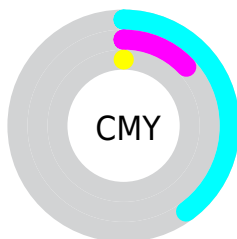
- Red (60%)
- Green (87%)
- Blue (100%)



- 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 57.5745, 66.7677, 104.4607 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 57.5745, 66.7677, 104.4607 by changing the saturation by 10% instead.



57.5745, 66.7677,  
104.4607

57.5745, 66.7677,  
104.4607

405.5780,  
449.1174, 595.7698

41.7086, 48.8959,  
79.3935

100.4295,  
114.5875, 169.3790

29.0633, 34.5369,  
58.6962

128.1493,  
145.3042, 210.0671

19.2732, 23.3064,  
41.9502

160.5512,  
181.0714, 256.7993

11.9731, 14.8199,  
28.7370

198.0004,  
222.2734, 309.9940

6.7974, 8.6931,  
18.6381

240.8623,  
269.2946, 370.0699

3.3809, 4.5415,  
11.2349

289.5023,

1.3583, 1.9809,

322.5194, 437.4455

6.1089

344.2858,  
382.3322, 512.5392

■ 0.2262, 0.5963,  
2.8416

■ 0.0000, 0.0000,  
1.0143

■ 57.5745, 66.7677,  
104.4607

■ 57.5745, 66.7677,  
104.4607

■ 51.1793, 60.3741,  
103.5637

■ 65.1028, 73.8984,  
105.4403

■ 45.8441, 54.6733,  
102.7445

■ 73.8202, 81.7925,  
106.5045

■ 41.4955, 49.6269,  
101.9996

■ 83.7855, 90.4838,  
107.6569

■ 38.0477, 45.1885,  
101.3247

95.0500, 100.0000,  
108.9000

■ 35.3985, 41.3032,  
100.7144

■ 33.3816, 37.8831,  
100.1605

■ 33.3813, 37.8826,  
100.1604

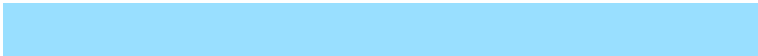
# Harmonies

## Analogous

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



53.8385, 66.7677, 89.3885



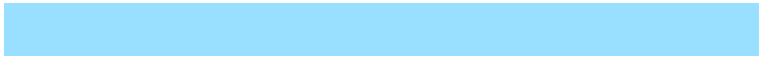
57.5745, 66.7677, 104.4607



63.0878, 66.7677, 110.8928

# Triad

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



57.5745, 66.7677, 104.4607



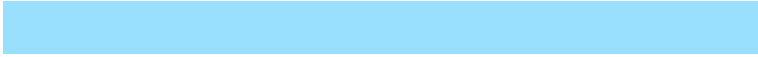
75.6797, 66.7677, 73.7740



58.1831, 66.7677, 47.3233

# Complementary

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



57.5745, 66.7677, 104.4607



64.3391, 58.2580, 37.9926

# 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.



63.8351, 66.7677, 44.4677



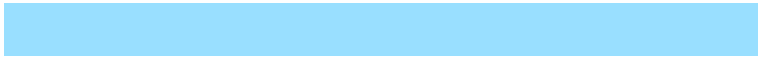
57.5745, 66.7677, 104.4607



74.1660, 66.7677, 58.2275

# Square

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



57.5745, 66.7677, 104.4607



73.7522, 66.7677, 91.5325



69.7350, 66.7677, 48.1316

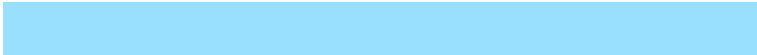


54.1741, 66.7677, 56.6436



# Rectangle

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



57.5745, 66.7677, 104.4607



67.1139, 66.7677, 108.7575



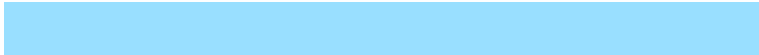
69.7350, 66.7677, 48.1316



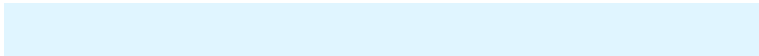
59.9425, 66.7677, 45.6467

# Sweetspot

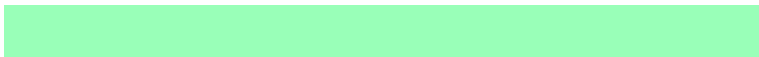
The Sweet Spot groups the original color and five complimentary colors.



57.5764, 66.7702, 104.4611



81.6884, 88.6789, 107.4190



57.5078, 81.7368, 57.8752



17.1977, 18.7326, 22.9593



0.0000, 0.0000, 0.0000

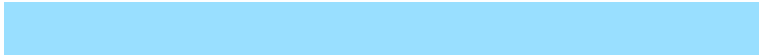


20.3446, 21.4041, 23.3091

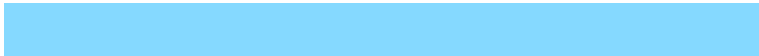


# Same Dimension

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



57.5764, 66.7702, 104.4611



52.3705, 61.5955, 103.7366



46.2086, 44.0347, 100.6718



18.0460, 19.4637, 23.0557



17.5821, 20.0738, 52.3825



1.8098, 2.1502, 5.1329



# Inverse Universe

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



65.9517, 49.3717, 75.8685



62.0457, 42.9149, 70.3887



76.5843, 82.7484, 42.0743



18.5359, 18.1977, 21.4391



25.6628, 12.7544, 22.6728

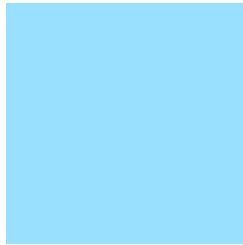


2.5481, 1.2616, 2.4677



# Previews

## White Background



This preview shows how the XYZ color 57.5745, 66.7677, 104.4607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

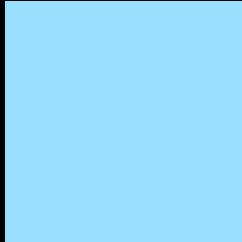
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5745, 66.7677, 104.4607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

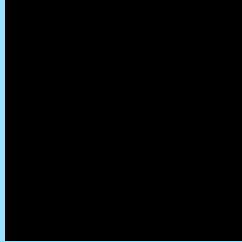
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.5745, 66.7677, 104.4607

## Background



This preview shows how black text looks on a background with the XYZ color 57.5745, 66.7677, 104.4607.



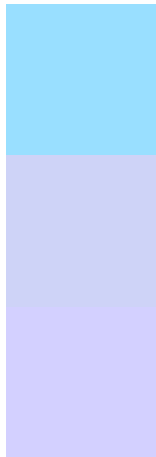
This preview shows how white text looks on a background with the XYZ color 57.5745, 66.7677,



# 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

57.5745, 66.7677, 104.4607

### Protanopia

65.5364, 66.4257, 97.3630

### Deuteranopia

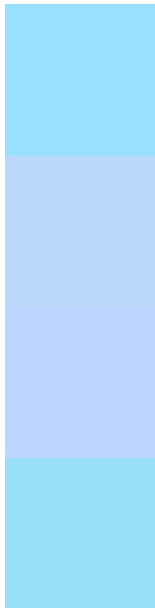
67.4698, 66.1806, 103.8258



## Tritanopia

55.6806, 66.8055, 94.7541

# Trichromacy



## Original Color

57.5745, 66.7677, 104.4607

## Protanomaly

62.0493, 66.0678, 99.9245

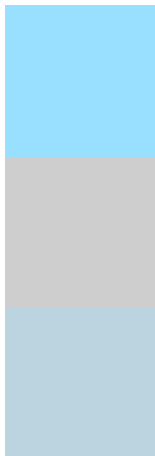
## Deuteranomaly

63.0795, 65.7556, 103.9752

## Tritanomaly

56.2067, 66.6060, 97.8895

# Monochromacy



## Original Color

57.5745, 66.7677, 104.4607

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

57.4915, 63.0336, 79.6576

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5745, 66.7677, 104.4607 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(153, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 223, 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(153, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5745, 66.7677, 104.4607 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(153, 223, 255) }
```



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

```
.border{ border-color:rgb(153, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 223,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5745, 66.7677, 104.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 223, 255) }
```

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

```
.background{ background-color: rgb(153,  
223, 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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