

# Converting Colors

XYZ(58.5649, 68.7483,  
104.7908)

Have a look what the booklet for  
XYZ(58.5649, 68.7483, 104.7908)  
contains.

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# **Color**

**XYZ(58.6560, 68.9305,  
104.8212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E3FF
RGB	153, 227, 255
RGB Percent	60%, 89%, 100%
CMY	0.4000, 0.1098, 0.0000
CMYK	0.40, 0.11, 0.00, 0.00
HSL	196°, 100%, 80%
HSV	196°, 40%, 100%
XYZ	58.6560, 68.9305, 104.8212
YIQ	208.0660, -53.0920, -6.9800

# Conversions

## Conversions Part 2

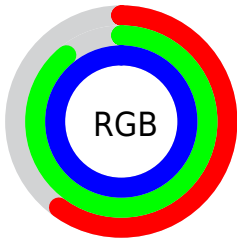
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 196, 255
Decimal	10085375
CIE <sub>Lab</sub>	86.47, -15.99, -20.81
CIE <sub>LCh</sub>	86, 26.242, 232.465
Yxy	68.9305, 0.2524, 0.2966
Android (android.graphics.Color)	4288275455 (0xFF99E3FF)
YUV	208.0660, 23.1385, -48.2929
Hunter-Lab	83.0244, -19.1840, -16.7386

# Details

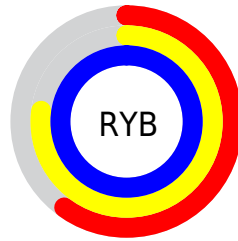
The XYZ color **58.6560, 68.9305, 104.8212** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **63.5142, 56.6081, 37.7179**, and the grayscale version is **59.8781, 62.9965, 68.6031**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **29.7694, 36.0691, 58.8191** is the 20% darker color. If you saturate the color by 10%, you get **52.4722, 62.9597, 103.9946**, and if you desaturate by 10%, it is **65.9499, 75.5923, 105.7226**.

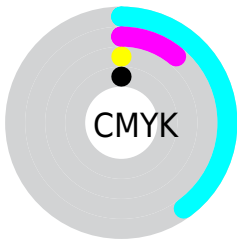
# Distribution



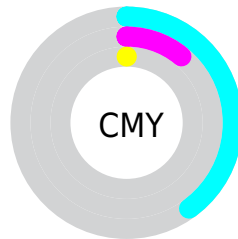
- Red (60%)
- Green (89%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6560, 68.9305, 104.8212 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 58.6560, 68.9305, 104.8212 by changing the saturation by 10% instead.



■ 58.6560, 68.9305,  
104.8212

■ 58.6560, 68.9305,  
104.8212

409.5405,  
456.7858, 596.9200

■ 42.5816, 50.6551,  
79.6938

■ 101.9950,  
117.6823, 169.8764

■ 29.7500, 35.9342,  
58.9417

■ 129.9903,  
148.9275, 210.6413

■ 19.7961, 24.3834,  
42.1465

162.6899,  
185.2648, 257.4557

■ 12.3543, 15.6183,  
28.8896

200.4593,  
227.0785, 310.7382

■ 7.0594, 9.2544,  
18.7524

243.6636,  
274.7531, 370.9073

■ 3.5459, 4.9075,  
11.3165

292.6684,

■ 1.4486, 2.1931,

328.6729, 438.3817

6.1633

347.8389,  
389.2223, 513.5797

■ 0.2905, 0.7162,  
2.8743

■ 0.0000, 0.0000,  
1.0308

■ 58.6560, 68.9305,  
104.8212

■ 58.6560, 68.9305,  
104.8212

■ 52.4722, 62.9597,  
103.9946

■ 65.9499, 75.5923,  
105.7226

■ 47.3256, 57.6362,  
103.2383

■ 74.4092, 82.9702,  
106.7008

■ 43.1435, 52.9227,  
102.5489

■ 84.0924, 91.0972,  
107.7591

■ 39.8404, 48.7738,  
101.9222

95.0500, 100.0000,  
108.9000

■ 37.3147, 45.1356,  
101.3531

■ 35.4007, 41.9212,  
100.8335

■ 35.4003, 41.9207,  
100.8334

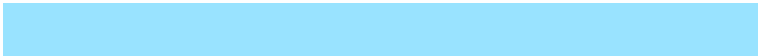
# Harmonies

## Analogous

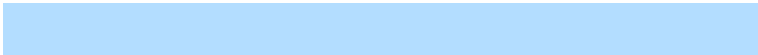
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.3063, 68.9305, 88.5725



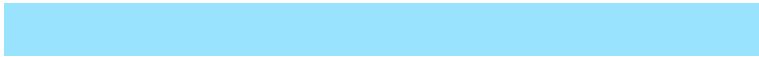
58.6560, 68.9305, 104.8212



63.9969, 68.9305, 113.3317

# Triad

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



58.6560, 68.9305, 104.8212



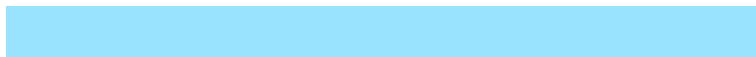
77.7888, 68.9305, 79.5254



61.1546, 68.9305, 48.1950

# Complementary

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



58.6560, 68.9305, 104.8212



63.5142, 56.6081, 37.7179

# 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.



67.0597, 68.9305, 46.5403



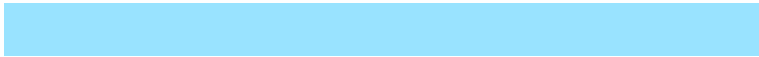
58.6560, 68.9305, 104.8212



76.9116, 68.9305, 62.9854

# Square

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



58.6560, 68.9305, 104.8212



75.2199, 68.9305, 97.3295



72.8918, 68.9305, 51.5337

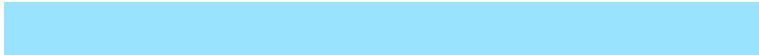


56.6854, 68.9305, 56.4657



# Rectangle

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



58.6560, 68.9305, 104.8212



68.0694, 68.9305, 112.6756



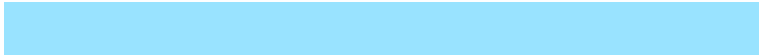
72.8918, 68.9305, 51.5337



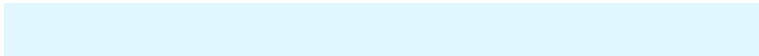
63.0280, 68.9305, 46.9044

# Sweetspot

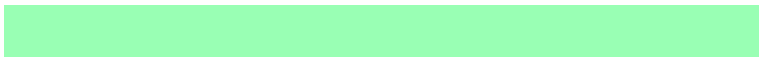
The Sweet Spot groups the original color and five complimentary colors.



58.6579, 68.9331, 104.8216



82.0534, 89.4089, 107.5407



57.1567, 81.5963, 56.0259



17.2839, 18.9050, 22.9880



0.0000, 0.0000, 0.0000

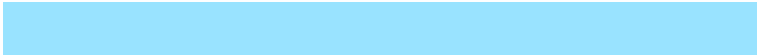


20.3446, 21.4041, 23.3091

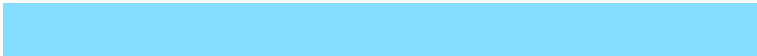


# Same Dimension

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



58.6579, 68.9331, 104.8216



53.6229, 64.1001, 104.1541



46.8711, 45.3595, 100.8926



18.1085, 19.5887, 23.0765



18.6287, 22.1670, 52.7314



1.9052, 2.3410, 5.1647



# Inverse Universe

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



66.4977, 49.5903, 78.7429



62.6778, 43.1677, 73.7173



75.6224, 80.8245, 41.7540



18.5674, 18.2103, 21.6052



26.1911, 12.9657, 25.4545

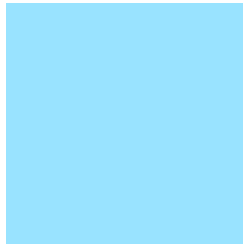


2.5962, 1.2809, 2.7212



# Previews

## White Background



This preview shows how the XYZ color 58.6560, 68.9305, 104.8212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

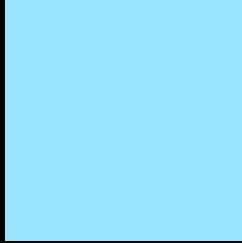
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6560, 68.9305, 104.8212 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 58.6560, 68.9305, 104.8212

## Background



This preview shows how black text looks on a background with the XYZ color 58.6560, 68.9305, 104.8212.



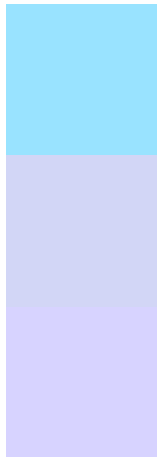
This preview shows how white text looks on a background with the XYZ color 58.6560, 68.9305,



# 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

58.6560, 68.9305, 104.8212

### Protanopia

67.2595, 68.4486, 96.8557

### Deuteranopia

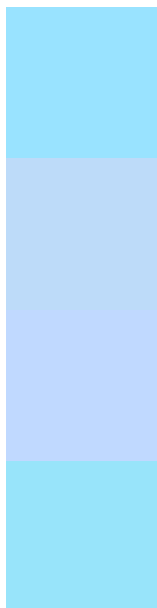
69.3686, 68.2556, 104.1263



## Tritanopia

57.2944, 68.7815, 98.2521

# Trichromacy



## Original Color

58.6560, 68.9305, 104.8212

## Protanomaly

63.4167, 68.3214, 99.4675

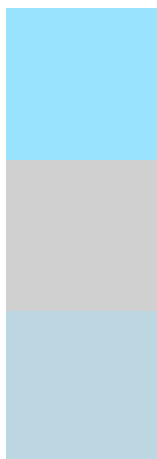
## Deuteranomaly

64.6011, 68.0522, 104.3383

## Tritanomaly

57.9476, 69.0643, 100.7191

# Monochromacy



## Original Color

58.6560, 68.9305, 104.8212

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

58.6301, 64.7285, 80.6379

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6560, 68.9305, 104.8212 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 227, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6560, 68.9305, 104.8212 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, 227, 255) }
```



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

```
.border{ border-color:rgb(153, 227, 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, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 227,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6560, 68.9305, 104.8212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 227, 255) }
```

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

```
.background{ background-color: rgb(153,  
227, 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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