

# Converting Colors

XYZ(61.6167, 69.9101,  
118.2271)

Have a look what the booklet for  
XYZ(61.6167, 69.9101, 118.2271)  
contains.

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# Color

**XYZ(58.9567, 68.6806,  
104.7571)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CE2FF
RGB	156, 226, 255
RGB Percent	61%, 89%, 100%
CMY	0.3882, 0.1137, 0.0000
CMYK	0.39, 0.11, 0.00, 0.00
HSL	198°, 100%, 81%
HSV	198°, 39%, 100%
XYZ	58.9567, 68.6806, 104.7571
YIQ	208.3760, -51.0290, -5.8210

# Conversions

## Conversions Part 2

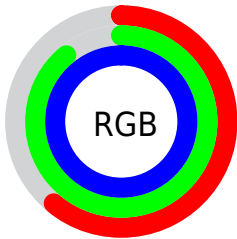
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">156, 197, 255</a>
Decimal	<a href="#">10281727</a>
CIELab	<a href="#">86.35, -14.73, -20.98</a>
CIELCh	<a href="#">86, 25.636, 234.936</a>
Yxy	<a href="#">68.6806, 0.2537, 0.2955</a>
Android (android.graphics.Color)	<a href="#">4288471807</a> ( <a href="#">0xFF9CE2FF</a> )
YUV	<a href="#">208.3760, 22.9856, -45.9338</a>
Hunter-Lab	<a href="#">82.8738, -18.0435, -16.9343</a>

# Details

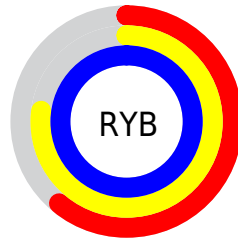
The XYZ color **58.9567, 68.6806, 104.7571** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.5903, 58.3588, 39.3147**, and the grayscale version is **60.0791, 63.2078, 68.8333**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **30.0115, 35.9124, 58.7761** is the 20% darker color. If you saturate the color by 10%, you get **52.5438, 62.4264, 103.8879**, and if you desaturate by 10%, it is **66.4976, 75.6508, 105.7050**.

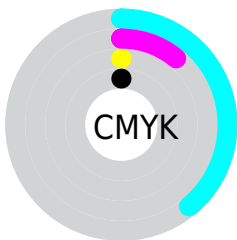
# Distribution



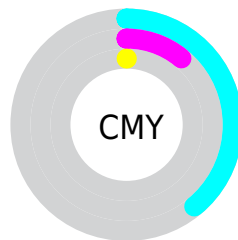
- Red (61%)
- Green (89%)
- Blue (100%)



- Red (61%)
- Yellow (77%)
- Blue (100%)



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9567, 68.6806, 104.7571 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 58.9567, 68.6806, 104.7571 by changing the saturation by 10% instead.



■ 58.9567, 68.6806,  
104.7571

■ 58.9567, 68.6806,  
104.7571

410.6381,  
455.9037, 596.7155

■ 42.8245, 50.4516,  
79.6404

■ 102.4297,  
117.3253, 169.7880

■ 29.9414, 35.7724,  
58.8980

■ 130.5012,  
148.5097, 210.5392

■ 19.9419, 24.2585,  
42.1116

163.2833,  
184.7815, 257.3390

■ 12.4609, 15.5255,  
28.8624

201.1411,  
226.5250, 310.6059

■ 7.1328, 9.1890,  
18.7321

244.4402,  
274.1245, 370.7585

■ 3.5924, 4.8647,  
11.3020

293.5458,

■ 1.4742, 2.1681,

327.9646, 438.2153

6.1536

348.8233,  
388.4295, 513.3947

■ 0.3082, 0.7025,  
2.8684

■ 0.0000, 0.0000,  
1.0278

■ 58.9567, 68.6806,  
104.7571

■ 58.9567, 68.6806,  
104.7571

■ 52.5438, 62.4264,  
103.8879

■ 66.4976, 75.6508,  
105.7050

■ 47.1868, 56.8447,  
103.0929

■ 75.2216, 83.3623,  
106.7337

■ 42.8137, 51.8982,  
102.3686

■ 85.1867, 91.8482,  
107.8464

■ 39.3403, 47.5418,  
101.7108

95.0500, 100.0000,  
108.9000

■ 36.6670, 43.7225,  
101.1145

■ 34.6500, 40.3642,  
100.5726

■ 34.4338, 39.9875,  
100.5113

# Harmonies

## Analogous

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



55.4935, 68.6806, 89.3816



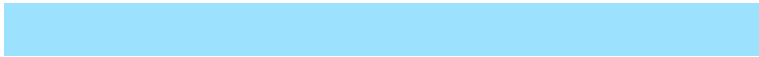
58.9567, 68.6806, 104.7571



64.2794, 68.6806, 112.1719

# Triad

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



58.9567, 68.6806, 104.7571



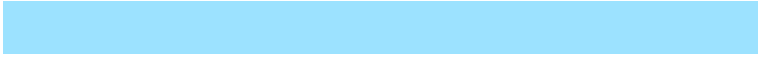
77.2837, 68.6806, 77.6955



60.5974, 68.6806, 48.9494

# Complementary

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



58.9567, 68.6806, 104.7571



64.5903, 58.3588, 39.3147

# 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.



66.2886, 68.6806, 46.7875



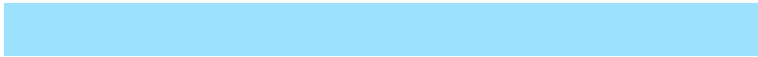
58.9567, 68.6806, 104.7571



76.1518, 68.6806, 61.8647

# Square

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



58.9567, 68.6806, 104.7571



75.0440, 68.6806, 95.1121



72.0375, 68.6806, 51.1505

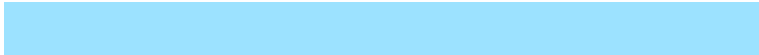


56.3999, 68.6806, 57.5765



# Rectangle

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



58.9567, 68.6806, 104.7571



68.2562, 68.6806, 110.9005



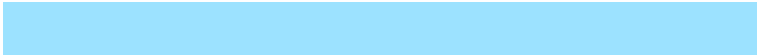
72.0375, 68.6806, 51.1505



62.3894, 68.6806, 47.5035

# Sweetspot

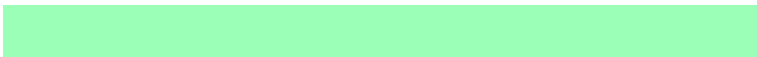
The Sweet Spot groups the original color and five complimentary colors.



58.9586, 68.6832, 104.7575



81.8817, 89.0654, 107.4835



58.1285, 82.0513, 58.1505



17.2433, 18.8238, 22.9745



0.0000, 0.0000, 0.0000

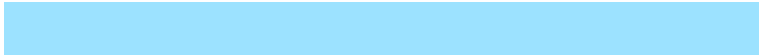


20.3446, 21.4041, 23.3091

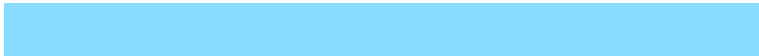


# Same Dimension

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



58.9586, 68.6832, 104.7575



53.6316, 63.5148, 104.0406



47.5731, 45.9122, 100.9623



18.0791, 19.5299, 23.0667



18.1279, 21.1653, 52.5645



1.8597, 2.2500, 5.1496



# Inverse Universe

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



66.8573, 50.5297, 78.1837



62.8293, 43.7916, 72.7787



76.5363, 82.2508, 43.2967



18.5526, 18.2043, 21.5271



25.9383, 12.8646, 24.1234

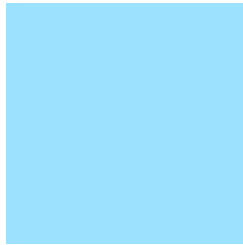


2.5733, 1.2717, 2.6003



# Previews

## White Background



This preview shows how the XYZ color 58.9567, 68.6806, 104.7571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

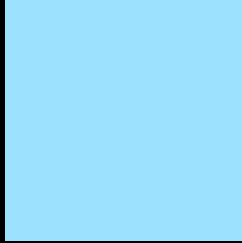
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9567, 68.6806, 104.7571 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 58.9567, 68.6806, 104.7571

## Background



This preview shows how black text looks on a background with the XYZ color 58.9567, 68.6806, 104.7571.



This preview shows how white text looks on a background with the XYZ color 58.9567, 68.6806,



# 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

58.9567, 68.6806, 104.7571

### Protanopia

67.1611, 68.0055, 97.5823

### Deuteranopia

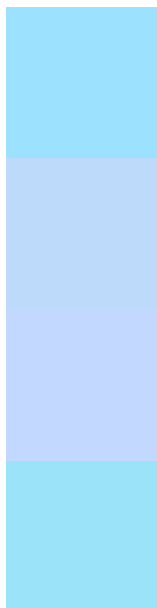
69.3686, 68.2556, 104.1263



## **Tritanopia**

57.7044, 69.0107, 97.4678

# Trichromacy



## Original Color

58.9567, 68.6806, 104.7571

## Protanomaly

63.5619, 67.9921, 100.2162

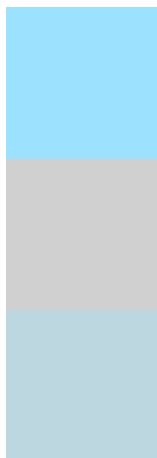
## Deuteranomaly

64.8540, 67.8011, 104.2765

## Tritanomaly

58.0855, 68.7463, 99.8305

# Monochromacy



## Original Color

58.9567, 68.6806, 104.7571

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

58.8773, 64.8559, 80.6494

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9567, 68.6806, 104.7571 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(156, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 226, 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(156, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9567, 68.6806, 104.7571 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(156, 226, 255) }
```



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

```
.border{ border-color:rgb(156, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9567, 68.6806, 104.7571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 226, 255) }
```

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

```
.background{ background-color: rgb(156,  
226, 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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