

Converting Colors

XYZ(58.9106, 67.9800,
104.6243)

Have a look what the booklet for
XYZ(58.9106, 67.9800, 104.6243)
contains.

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Color

**XYZ(58.8062, 67.8004,
104.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE0FF
RGB	158, 224, 255
RGB Percent	62%, 88%, 100%
CMY	0.3804, 0.1216, 0.0000
CMYK	0.38, 0.12, 0.00, 0.00
HSL	199°, 100%, 81%
HSV	199°, 38%, 100%
XYZ	58.8062, 67.8004, 104.5951
YIQ	207.8000, -49.2870, -4.3510

Conversions

Conversions Part 2

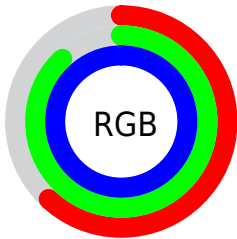
Format	Color
R _Y B	158, 197, 255
Decimal	10412287
CIE Lab	85.91, -13.20, -21.64
CIE LCh	86, 25.346, 238.619
Yxy	67.8004, 0.2544, 0.2933
Android (android.graphics.Color)	4288602367 (0xFF9EE0FF)
YUV	207.8000, 23.2696, -43.6746
Hunter-Lab	82.3410, -16.6158, -17.6755

Details

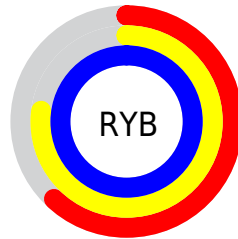
The XYZ color **58.8062, 67.8004, 104.5951** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.6096, 60.1241, 40.4968**, and the grayscale version is **59.7033, 62.8126, 68.4029**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **29.8605, 35.2779, 58.6616** is the 20% darker color. If you saturate the color by 10%, you get **52.1635, 61.2038, 103.6719**, and if you desaturate by 10%, it is **66.5982, 75.1485, 105.6027**.

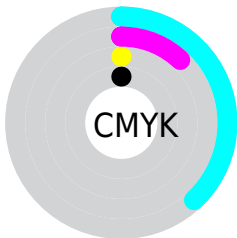
Distribution



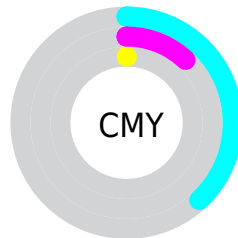
- Red (62%)
- Green (88%)
- Blue (100%)



- Red (62%)
- Yellow (77%)
- Blue (100%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8062, 67.8004, 104.5951 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 58.8062, 67.8004, 104.5951 by changing the saturation by 10% instead.

■ 58.8062, 67.8004,
104.5951

■ 58.8062, 67.8004,
104.5951

410.0889,
452.7885, 596.1987

■ 42.7029, 49.7354,
79.5054

■ 102.2122,
116.0666, 169.5644

■ 29.8456, 35.2032,
58.7877

■ 130.2456,
147.0365, 210.2812

■ 19.8689, 23.8194,
42.0233

162.9864,
183.0768, 257.0440

■ 12.4075, 15.1997,
28.7939

200.7999,
224.5719, 310.2715

■ 7.0960, 8.9597,
18.6807

244.0516,
271.9063, 370.3822

■ 3.5691, 4.7149,
11.2653

293.1068,

■ 1.4614, 2.0810,

325.4642, 437.7946

6.1292

348.3308,
385.6302, 512.9272

■ 0.2993, 0.6539,
2.8537

■ 0.0000, 0.0000,
1.0204

■ 58.8062, 67.8004,
104.5951

■ 58.8062, 67.8004,
104.5951

■ 52.1635, 61.2038,
103.6719

■ 66.5982, 75.1485,
105.6027

■ 46.5982, 55.3147,
102.8286

■ 75.5946, 83.2738,
106.6969

■ 42.0386, 50.0956,
102.0615

■ 85.8535, 92.2100,
107.8811

■ 38.4012, 45.5010,
101.3664

95.0500, 100.0000,
108.9000

■ 35.5874, 41.4779,
100.7381

■ 33.4642, 37.9555,
100.1701

■ 33.0919, 37.3038,
100.0640

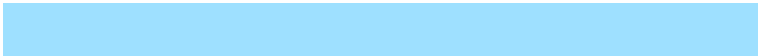
Harmonies

Analogous

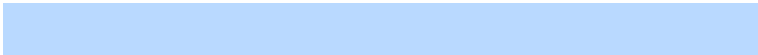
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1375, 67.8004, 90.2077



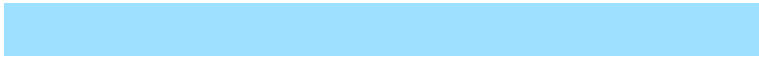
58.8062, 67.8004, 104.5951



64.1738, 67.8004, 110.5895

Triad

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



58.8062, 67.8004, 104.5951



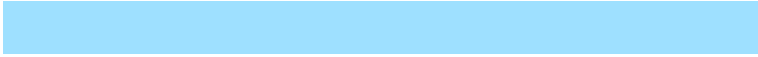
76.2501, 67.8004, 74.5955



59.2453, 67.8004, 49.1798

Complementary

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



58.8062, 67.8004, 104.5951



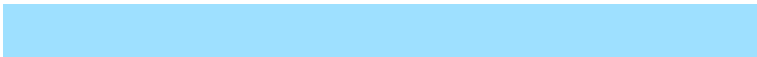
65.6096, 60.1241, 40.4968

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.



64.7114, 67.8004, 46.2688



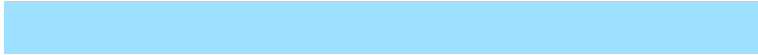
58.8062, 67.8004, 104.5951



74.7391, 67.8004, 59.5533

Square

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



58.8062, 67.8004, 104.5951



74.4428, 67.8004, 91.7401



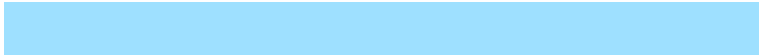
70.4274, 67.8004, 49.7692



55.3800, 67.8004, 58.4054

Rectangle

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



58.8062, 67.8004, 104.5951



68.0700, 67.8004, 108.4266



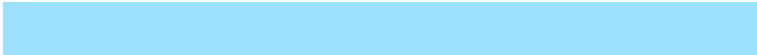
70.4274, 67.8004, 49.7692



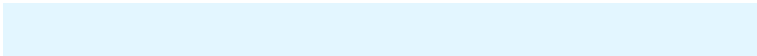
60.9458, 67.8004, 47.4974

Sweetspot

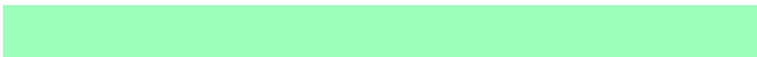
The Sweet Spot groups the original color and five complimentary colors.



58.8081, 67.8029, 104.5955



82.6796, 89.4764, 107.5207



59.0163, 82.4515, 60.7889



17.3941, 18.8891, 22.9791



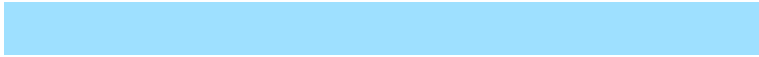
0.0000, 0.0000, 0.0000



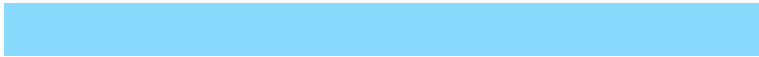
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8081, 67.8029, 104.5955



53.4276, 62.4896, 103.8535



47.6350, 45.4567, 100.8711



18.0367, 19.4450, 23.0526



17.4320, 19.7735, 52.3325



1.7960, 2.1227, 5.1283

Inverse Universe

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



66.9227, 51.0972, 76.8593



62.8770, 44.3876, 71.2514



77.7591, 84.4231, 44.5466



18.5312, 18.1958, 21.4143



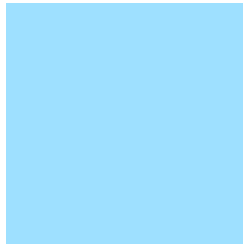
25.5870, 12.7241, 22.2737



2.5411, 1.2588, 2.4311

Previews

White Background



This preview shows how the XYZ color 58.8062, 67.8004, 104.5951 looks on a white background.

Color Contrast Check

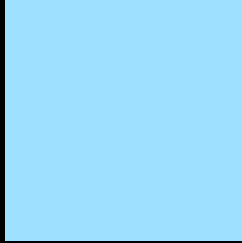
Large Text (above 18pt) WCAG AA × Fail

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 58.8062, 67.8004, 104.5951 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 58.8062, 67.8004, 104.5951

Background



This preview shows how black text looks on a background with the XYZ color 58.8062, 67.8004, 104.5951.

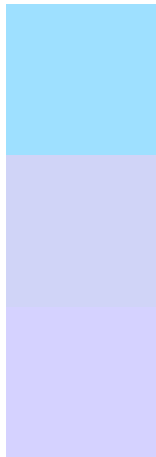


This preview shows how white text looks on a background with the XYZ color 58.8062, 67.8004,

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

58.8062, 67.8004, 104.5951

Protanopia

66.3444, 67.2123, 97.4722

Deuteranopia

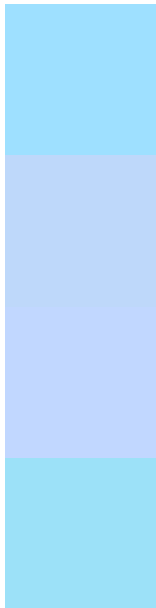
68.5372, 67.4593, 104.0164



Tritanopia

57.0431, 67.8929, 95.6861

Trichromacy



Original Color

58.8062, 67.8004, 104.5951

Protanomaly

63.0464, 66.9610, 100.0443

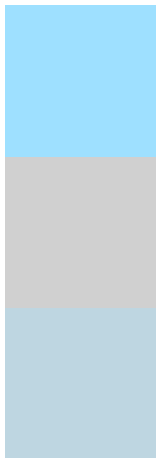
Deuteranomaly

64.3428, 67.1583, 104.1794

Tritanomaly

57.5788, 67.6957, 98.8388

Monochromacy



Original Color

58.8062, 67.8004, 104.5951

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.8724, 64.4765, 80.5765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8062, 67.8004, 104.5951 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8062, 67.8004, 104.5951 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, 224, 255) }
```


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

```
.border{ border-color:rgb(158, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8062, 67.8004, 104.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 224, 255) }
```

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

```
.background{ background-color: rgb(158,  
224, 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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