

# Converting Colors

XYZ(58.5798, 61.5477,  
103.4001)

Have a look what the booklet for  
XYZ(58.5798, 61.5477, 103.4001)  
contains.

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# **Color**

**XYZ(58.5104, 61.5619,  
103.4065)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | B0D0FF                     |
| RGB         | 176, 208, 255              |
| RGB Percent | 69%, 82%, 100%             |
| CMY         | 0.3098, 0.1843, 0.0000     |
| CMYK        | 0.31, 0.18, 0.00, 0.00     |
| HSL         | 216°, 100%, 85%            |
| HSV         | 216°, 31%, 100%            |
| XYZ         | 58.5104, 61.5619, 103.4065 |
| YIQ         | 203.7900, -34.1590, 7.8330 |

# Conversions

## Conversions Part 2

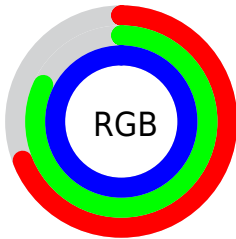
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">176, 199, 255</a>                   |
| Decimal                             | <a href="#">11587839</a>                        |
| CIELab                              | <a href="#">82.68, -0.01, -26.45</a>            |
| CIELCh                              | <a href="#">83, 26.451, 269.988</a>             |
| Yxy                                 | <a href="#">61.5619, 0.2618,<br/>0.2755</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4289777919<br/>(0xFFB0D0FF)</a>     |
| YUV                                 | <a href="#">203.7900, 25.2465,<br/>-24.3718</a> |
| Hunter-Lab                          | <a href="#">78.4614, -4.1960,<br/>-23.2170</a>  |

# Details

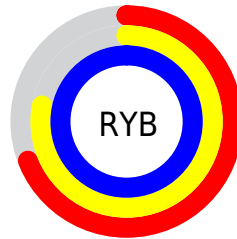
The XYZ color **58.5104, 61.5619, 103.4065** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.4644, 77.1699, 51.9941**, and the grayscale version is **57.1247, 60.0996, 65.4485**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **29.6338, 31.2534, 57.8967** is the 20% darker color. If you saturate the color by 10%, you get **49.7538, 51.8184, 101.9874**, and if you desaturate by 10%, it is **68.7073, 72.5760, 104.9950**.

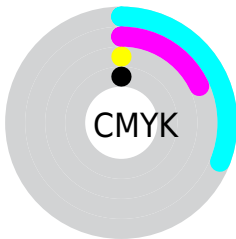
# Distribution



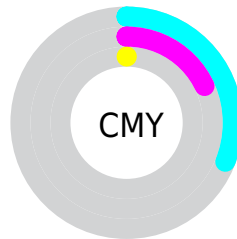
- Red (69%)
- Green (82%)
- Blue (100%)



- Red (69%)
- Yellow (78%)
- Blue (100%)



- Cyan (31%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5104, 61.5619, 103.4065 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 58.5104, 61.5619, 103.4065 by changing the saturation by 10% instead.



■ 58.5104, 61.5619,  
103.4065

■ 58.5104, 61.5619,  
103.4065

409.0084,  
430.3312, 592.3996

■ 42.4640, 44.6788,  
78.5158

■ 101.7844,  
107.0921, 167.9232

■ 29.6575, 31.2045,  
57.9788

129.7428,  
136.5080, 208.3864

■ 19.7255, 20.7546,  
41.3770

162.4024,  
170.8703, 254.8774

■ 12.3028, 12.9448,  
28.2919

200.1288,  
210.5633, 307.8148

■ 7.0239, 7.3905,  
18.3049

243.2872,  
255.9716, 367.6172

■ 3.5235, 3.7075,  
10.9974

292.2431,

■ 1.4363, 1.5113,

307.4794, 434.7031

5.9509

347.3617,  
365.4711, 509.4910

■ 0.2818, 0.2967,  
2.7470

■ 0.0000, 0.0000,  
0.9669

■ 58.5104, 61.5619,  
103.4065

■ 58.5104, 61.5619,  
103.4065

■ 49.7538, 51.8184,  
101.9874

■ 68.7073, 72.5760,  
104.9950

■ 42.3615, 43.2873,  
100.7303

■ 80.4047, 84.9014,  
106.7576

■ 36.2582, 35.9159,  
99.6292

■ 93.6656, 98.5857,  
108.7000

■ 31.3583, 29.6440,  
98.6768

■ 95.0500, 100.0000,  
108.9000

■ 27.5648, 24.4046,  
97.8655

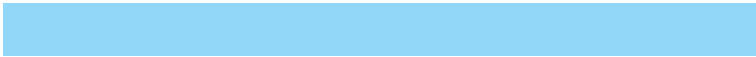
■ 24.7627, 20.1207,  
97.1863

■ 22.9299, 16.9797,  
96.6766

# Harmonies

## Analogous

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



53.2206, 61.5619, 97.9102



58.5104, 61.5619, 103.4065



64.1402, 61.5619, 97.9189

# Triad

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



58.5104, 61.5619, 103.4065



68.4862, 61.5619, 52.5872



49.5600, 61.5619, 52.5773

# Complementary

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



58.5104, 61.5619, 103.4065



75.4644, 77.1699, 51.9941

# 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.



53.2244, 61.5619, 43.4346



58.5104, 61.5619, 103.4065



64.1445, 61.5619, 43.4397

# Square

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



58.5104, 61.5619, 103.4065



70.1220, 61.5619, 67.0371



58.5151, 61.5619, 40.3755



48.2612, 61.5619, 67.0237



# Rectangle

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



58.5104, 61.5619, 103.4065



67.2782, 61.5619, 89.2077



58.5151, 61.5619, 40.3755



50.5437, 61.5619, 48.8718

# Sweetspot

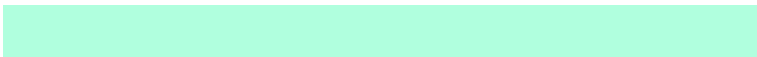
The Sweet Spot groups the original color and five complimentary colors.



58.5122, 61.5642, 103.4069



82.9030, 87.5002, 107.1275



66.8615, 86.0290, 82.2482



17.3502, 18.3186, 22.8713



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.



58.5122, 61.5642, 103.4069



53.0710, 55.5478, 102.5324



53.0063, 48.2888, 101.1347



17.6071, 18.5858, 22.9094



12.1186, 9.1468, 50.5614



1.2838, 1.0984, 4.9576



# Inverse Universe

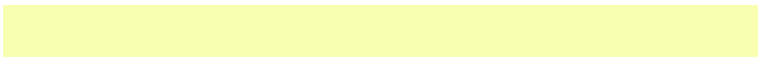
The Inverse Universe completely reimagines the original color for something new.



68.1517, 56.8664, 67.0614



64.2175, 50.7451, 60.3638



82.4562, 94.6875, 55.0068



18.3143, 18.1090, 20.2723



22.9051, 11.6513, 8.1507

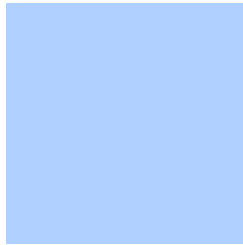


2.2826, 1.1554, 1.0697



# Previews

## White Background



This preview shows how the XYZ color 58.5104, 61.5619, 103.4065 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

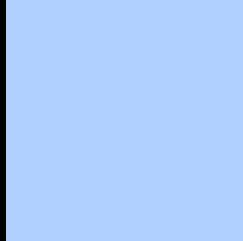
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5104, 61.5619, 103.4065 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

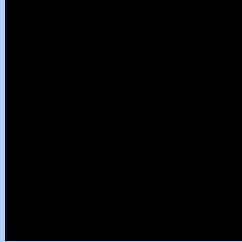
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

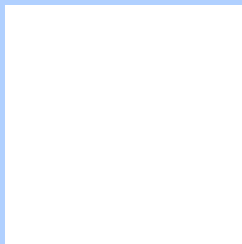
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.5104, 61.5619, 103.4065

## Background



This preview shows how black text looks on a background with the XYZ color 58.5104, 61.5619, 103.4065.



This preview shows how white text looks on a background with the XYZ color 58.5104, 61.5619,



# 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

58.5104, 61.5619, 103.4065

### Protanopia

61.1748, 61.2095, 100.6858

### Deuteranopia

62.4898, 61.1354, 103.1145



## Tritanopia

54.2639, 61.2902, 83.0989

# Trichromacy



## Original Color

58.5104, 61.5619, 103.4065

## Protanomaly

60.0545, 61.3193, 101.5991

## Deuteranomaly

61.1287, 61.4821, 103.2531

## Tritanomaly

55.7401, 61.5322, 89.8280

# Monochromacy



## Original Color

58.5104, 61.5619, 103.4065

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.3987, 60.4597, 78.4567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5104, 61.5619, 103.4065 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(176, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 208, 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(176, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 208, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5104, 61.5619, 103.4065 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(176, 208, 255) }
```



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

```
.border{ border-color:rgb(176, 208, 255) }
```

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

Here you see how a box with a 4 pixel rgb(176, 208, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 208,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5104, 61.5619, 103.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 208, 255) }
```

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

```
.background{ background-color: rgb(176,  
208, 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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