

# Converting Colors

XYZ(63.3809, 63.2264,  
123.2039)

Have a look what the booklet for  
XYZ(63.3809, 63.2264, 123.2039)  
contains.

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# Color

**XYZ(59.6542, 61.7907,  
103.3904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6CFFF
RGB	182, 207, 255
RGB Percent	71%, 81%, 100%
CMY	0.2863, 0.1882, 0.0000
CMYK	0.29, 0.19, 0.00, 0.00
HSL	219°, 100%, 86%
HSV	219°, 29%, 100%
XYZ	59.6542, 61.7907, 103.3904
YIQ	204.9970, -30.3080, 9.6280

# Conversions

## Conversions Part 2

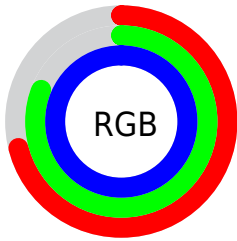
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 201, 255
Decimal	11980799
CIE Lab	82.80, 2.22, -26.23
CIE LCh	83, 26.324, 274.841
Yxy	61.7907, 0.2653, 0.2748
Android (android.graphics.Color)	4290170879 (0xFFB6CFFF)
YUV	204.9970, 24.6515, -20.1684
Hunter-Lab	78.6071, -2.1003, -22.9581

# Details

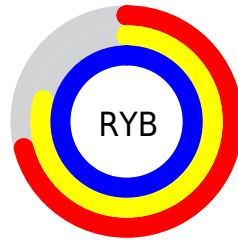
The XYZ color **59.6542, 61.7907, 103.3904** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.9805, 81.2308, 55.8269**, and the grayscale version is **57.8899, 60.9047, 66.3252**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **30.3367, 31.3717, 57.8825** is the 20% darker color. If you saturate the color by 10%, you get **50.3229, 51.2681, 101.8512**, and if you desaturate by 10%, it is **70.5170, 73.7460, 105.1255**.

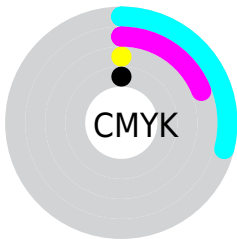
# Distribution



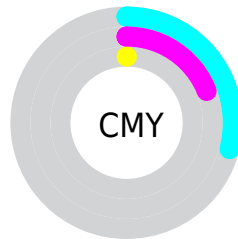
- Red (71%)
- Green (81%)
- Blue (100%)



- Red (71%)
- Yellow (79%)
- Blue (100%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6542, 61.7907, 103.3904 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 59.6542, 61.7907, 103.3904 by changing the saturation by 10% instead.



■ 59.6542, 61.7907,  
103.3904

■ 59.6542, 61.7907,  
103.3904

413.1772,  
431.1672, 592.3480

■ 43.3884, 44.8636,  
78.5024

■ 103.4371,  
107.4230, 167.9010

■ 30.3858, 31.3500,  
57.9679

131.6848,  
136.8969, 208.3607

■ 20.2811, 20.8655,  
41.3683

164.6573,  
171.3220, 254.8480

■ 12.7090, 13.0257,  
28.2851

202.7198,  
211.0825, 307.7815

■ 7.3041, 7.4463,  
18.2998

246.2376,  
256.5629, 367.5797

■ 3.7010, 3.7427,  
10.9938

295.5763,

■ 1.5344, 1.5307,

308.1476, 434.6612

5.9485

351.1010,  
366.2209, 509.4444

■ 0.3491, 0.3102,  
2.7455

■ 0.0000, 0.0000,  
0.9662

■ 59.6542, 61.7907,  
103.3904

■ 59.6542, 61.7907,  
103.3904

■ 50.3229, 51.2681,  
101.8512

■ 70.5170, 73.7460,  
105.1255

■ 42.4446, 42.1137,  
100.4994

■ 82.9738, 87.1810,  
107.0622

■ 35.9420, 34.2679,  
99.3278

95.0500, 100.0000,  
108.9000

■ 30.7276, 27.6637,  
98.3278

■ 26.7027, 22.2268,  
97.4906

■ 23.7527, 17.8730,  
96.8057

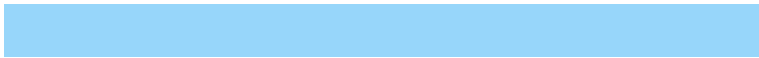
■ 21.7196, 14.4941,  
96.2606

■ 21.4854, 14.0908,  
96.1951

# Harmonies

## Analogous

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



54.2208, 61.7907, 99.6445



59.6542, 61.7907, 103.3904



65.1746, 61.7907, 96.2630

# Triad

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



59.6542, 61.7907, 103.3904



68.1299, 61.7907, 50.9869



49.4137, 61.7907, 54.8717

# Complementary

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



59.6542, 61.7907, 103.3904



77.9805, 81.2308, 55.8269

# 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.



52.7253, 61.7907, 44.7897



59.6542, 61.7907, 103.3904



63.4829, 61.7907, 42.8125

# Square

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



59.6542, 61.7907, 103.3904



70.2644, 61.7907, 64.6813



57.8158, 61.7907, 40.7401



48.5328, 61.7907, 69.9465



# Rectangle

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



59.6542, 61.7907, 103.3904



68.0918, 61.7907, 86.8862



57.8158, 61.7907, 40.7401



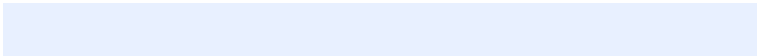
50.2686, 61.7907, 50.8695

# Sweetspot

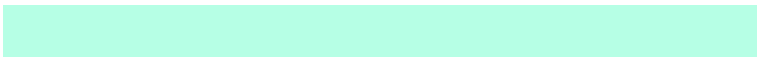
The Sweet Spot groups the original color and five complimentary colors.



59.6560, 61.7931, 103.3908



82.4786, 86.6515, 106.9861



69.2581, 87.1479, 87.6304



17.2460, 18.1102, 22.8366



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.



59.6560, 61.7931, 103.3908



54.4551, 55.9632, 102.5396



56.7589, 52.0085, 101.6549



17.5116, 18.3947, 22.8775



11.3507, 7.6110, 50.3054



1.2021, 0.9348, 4.9304



# Inverse Universe

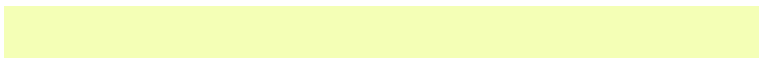
The Inverse Universe completely reimagines the original color for something new.



69.2316, 59.2224, 66.8162



65.4904, 53.4531, 60.2882



81.5296, 94.1397, 58.1315



18.2661, 18.0898, 20.0185



22.5175, 11.4963, 6.1097



2.2413, 1.1389, 0.8524



# Previews

## White Background



This preview shows how the XYZ color 59.6542, 61.7907, 103.3904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

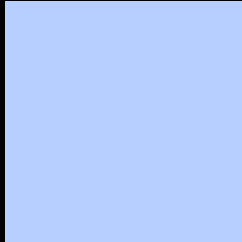
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6542, 61.7907, 103.3904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

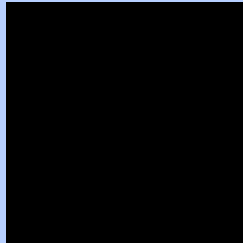
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

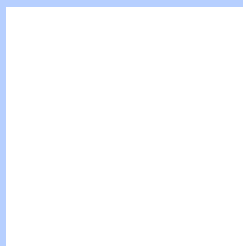
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.6542, 61.7907, 103.3904

## Background



This preview shows how black text looks on a background with the XYZ color 59.6542, 61.7907, 103.3904.



This preview shows how white text looks on a background with the XYZ color 59.6542, 61.7907,



# 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

59.6542, 61.7907, 103.3904

### Protanopia

61.5706, 61.7469, 101.6017

### Deuteranopia

62.9899, 61.7404, 103.2049



## Tritanopia

55.5908, 61.9742, 83.1610

# Trichromacy



## Original Color

59.6542, 61.7907, 103.3904

## Protanomaly

60.9559, 61.7655, 102.4752

## Deuteranomaly

61.6352, 61.7432, 103.2768

## Tritanomaly

56.8393, 61.7312, 89.8085

# Monochromacy



## Original Color

59.6542, 61.7907, 103.3904

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

58.4165, 61.3406, 78.5731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6542, 61.7907, 103.3904 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(182, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 207, 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(182, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6542, 61.7907, 103.3904 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(182, 207, 255) }
```



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

```
.border{ border-color:rgb(182, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6542, 61.7907, 103.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 207, 255) }
```

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

```
.background{ background-color: rgb(182,  
207, 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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