

# Converting Colors

XYZ(59.4697, 63.6488,  
103.7588)

Have a look what the booklet for  
XYZ(59.4697, 63.6488, 103.7588)  
contains.

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# Color

**XYZ(59.4980, 63.5371,  
103.7357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0D4FF
RGB	176, 212, 255
RGB Percent	69%, 83%, 100%
CMY	0.3098, 0.1686, 0.0000
CMYK	0.31, 0.17, 0.00, 0.00
HSL	213°, 100%, 85%
HSV	213°, 31%, 100%
XYZ	59.4980, 63.5371, 103.7357
YIQ	206.1380, -35.2590, 5.7410

# Conversions

## Conversions Part 2

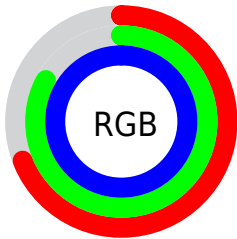
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 201, 255
Decimal	11588863
CIE Lab	83.72, -2.13, -24.86
CIE LCh	84, 24.950, 265.109
Yxy	63.5371, 0.2624, 0.2802
Android (android.graphics.Color)	4289778943 (0xFFB0D4FF)
YUV	206.1380, 24.0890, -26.4310
Hunter-Lab	79.7102, -6.2552, -21.3636

# Details

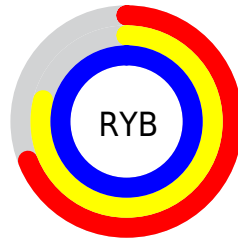
The XYZ color **59.4980, 63.5371, 103.7357** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.4083, 75.0576, 51.6420**, and the grayscale version is **58.6229, 61.6759, 67.1650**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **30.3051, 32.5959, 58.1205** is the 20% darker color. If you saturate the color by 10%, you get **50.9432, 54.1972, 102.3839**, and if you desaturate by 10%, it is **69.4376, 74.0366, 105.2385**.

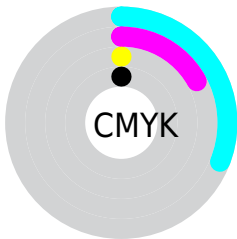
# Distribution



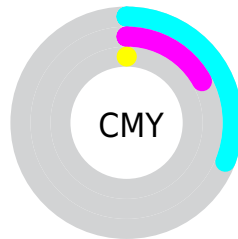
- Red (69%)
- Green (83%)
- Blue (100%)



- Red (69%)
- Yellow (79%)
- Blue (100%)



- Cyan (31%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4980, 63.5371, 103.7357 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 59.4980, 63.5371, 103.7357 by changing the saturation by 10% instead.



■ 59.4980, 63.5371,  
103.7357

■ 59.4980, 63.5371,  
103.7357

412.6094,  
437.5161, 593.4531

■ 43.2620, 46.2759,  
78.7898

■ 103.2116,  
109.9440, 168.3780

■ 30.2862, 32.4636,  
58.2027

131.4200,  
139.8585, 208.9115

■ 20.2051, 21.7158,  
41.5559

164.3498,  
174.7595, 255.4779

■ 12.6533, 13.6482,  
28.4307

202.3666,  
215.0314, 308.4958

■ 7.2656, 7.8764,  
18.4087

245.8356,  
261.0586, 368.3837

■ 3.6766, 4.0160,  
11.0714

295.1221,

■ 1.5208, 1.6825,

313.2255, 435.5602

6.0001

350.5916,  
371.9166, 510.4438

■ 0.3399, 0.4123,  
2.7763

■ 0.0000, 0.0000,  
0.9816

■ 59.4980, 63.5371,  
103.7357

■ 59.4980, 63.5371,  
103.7357

■ 50.9432, 54.1972,  
102.3839

■ 69.4376, 74.0366,  
105.2385

■ 43.6996, 45.9635,  
101.1764

■ 80.8198, 85.7317,  
106.8960

■ 37.6944, 38.7883,  
100.1079

■ 93.7056, 98.6658,  
108.7133

■ 32.8448, 32.6169,  
99.1723

■ 95.0500, 100.0000,  
108.9000

■ 29.0566, 27.3883,  
98.3628

■ 26.2181, 23.0316,  
97.6714

■ 24.3195, 19.7591,  
97.1398

# Harmonies

## Analogous

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



54.5724, 63.5371, 96.9411



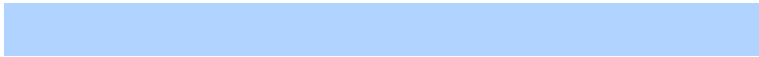
59.4980, 63.5371, 103.7357



64.9633, 63.5371, 100.1920

# Triad

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



59.4980, 63.5371, 103.7357



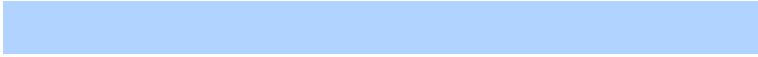
70.4215, 63.5371, 57.1720



52.1687, 63.5371, 53.3443

# Complementary

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



59.4980, 63.5371, 103.7357



74.4083, 75.0576, 51.6420

# 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.



56.0367, 63.5371, 45.3368



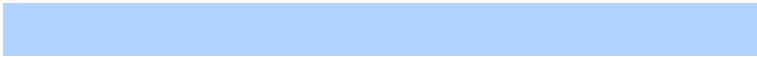
59.4980, 63.5371, 103.7357



66.6073, 63.5371, 47.3017

# Square

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



59.4980, 63.5371, 103.7357



71.4853, 63.5371, 71.7806



61.2911, 63.5371, 43.3035

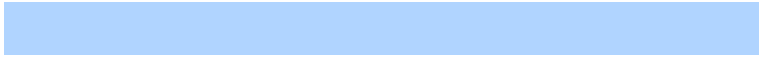


50.5068, 63.5371, 66.6451



# Rectangle

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



59.4980, 63.5371, 103.7357



68.1507, 63.5371, 92.6873



61.2911, 63.5371, 43.3035



53.2422, 63.5371, 50.0285

# Sweetspot

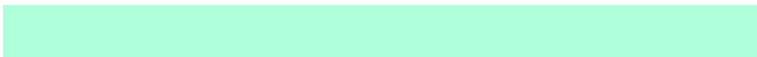
The Sweet Spot groups the original color and five complimentary colors.



59.4998, 63.5395, 103.7361



83.2487, 88.1918, 107.2428



66.3379, 85.8196, 79.4908



17.4352, 18.4885, 22.8997



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.



59.4998, 63.5395, 103.7361



54.1866, 57.7791, 102.9043



52.0826, 47.8126, 101.0914



17.6849, 18.7414, 22.9353



12.8524, 10.6144, 50.8060



1.3590, 1.2486, 4.9827



# Inverse Universe

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



68.6502, 57.0658, 69.6866



64.7806, 50.9703, 63.3292



83.8747, 95.4187, 55.0732



18.3536, 18.1248, 20.4792



23.2755, 11.7995, 10.1012

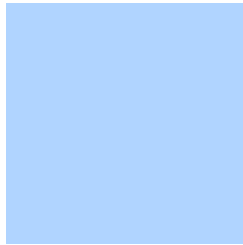


2.3205, 1.1706, 1.2694



# Previews

## White Background



This preview shows how the XYZ color 59.4980, 63.5371, 103.7357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

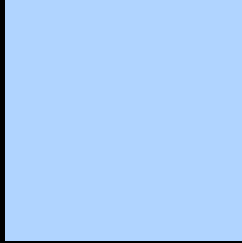
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4980, 63.5371, 103.7357 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

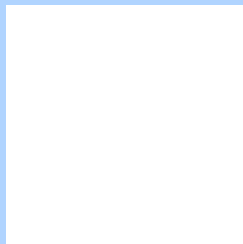
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.4980, 63.5371, 103.7357

## Background



This preview shows how black text looks on a background with the XYZ color 59.4980, 63.5371, 103.7357.



This preview shows how white text looks on a background with the XYZ color 59.4980, 63.5371,



# 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

59.4980, 63.5371, 103.7357

### Protanopia

63.0371, 63.2498, 100.1528

### Deuteranopia

64.5447, 63.2431, 103.4130



## Tritanopia

56.0584, 63.6529, 86.4224

# Trichromacy



## Original Color

59.4980, 63.5371, 103.7357

## Protanomaly

61.6124, 63.2164, 101.0501

## Deuteranomaly

62.6110, 63.3150, 103.5288

## Tritanomaly

57.4112, 63.8360, 92.5148

# Monochromacy



## Original Color

59.4980, 63.5371, 103.7357

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.5161, 62.0957, 79.4225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4980, 63.5371, 103.7357 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 212, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4980, 63.5371, 103.7357 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, 212, 255) }
```



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

```
.border{ border-color:rgb(176, 212, 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, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 212,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4980, 63.5371, 103.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 212, 255) }
```

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

```
.background{ background-color: rgb(176,  
212, 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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