

# Converting Colors

XYZ(80.6224, 70.2882,  
212.3668)

Have a look what the booklet for  
XYZ(80.6224, 70.2882, 212.3668)  
contains.

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# Color

**XYZ(59.8913, 61.9129,  
103.4015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7CFFF
RGB	183, 207, 255
RGB Percent	72%, 81%, 100%
CMY	0.2823, 0.1882, 0.0000
CMYK	0.28, 0.19, 0.00, 0.00
HSL	220°, 100%, 86%
HSV	220°, 28%, 100%
XYZ	59.8913, 61.9129, 103.4015
YIQ	205.2960, -29.7120, 9.8400

# Conversions

## Conversions Part 2

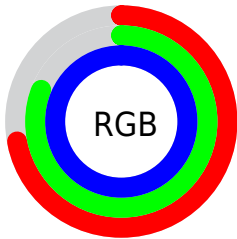
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 201, 255
Decimal	12046335
CIE Lab	82.87, 2.51, -26.13
CIE LCh	83, 26.245, 275.483
Yxy	61.9129, 0.2659, 0.2749
Android (android.graphics.Color)	4290236415 (0xFFB7CFFF)
YUV	205.2960, 24.5041, -19.5536
Hunter-Lab	78.6848, -1.8321, -22.8351

# Details

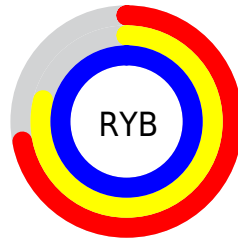
The XYZ color **59.8913, 61.9129, 103.4015** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.3635, 81.8307, 56.4664**, and the grayscale version is **58.0807, 61.1054, 66.5437**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **30.4864, 31.4489, 57.8895** is the 20% darker color. If you saturate the color by 10%, you get **50.4675, 51.2677, 101.8435**, and if you desaturate by 10%, it is **70.8608, 74.0162, 105.1595**.

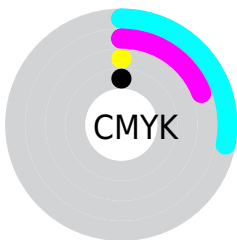
# Distribution



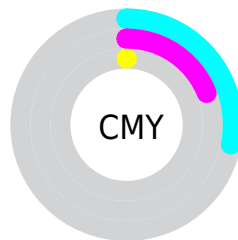
- Red (72%)
- Green (81%)
- Blue (100%)



- Red (72%)
- Yellow (79%)
- Blue (100%)



- Cyan (28%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8913, 61.9129, 103.4015 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 59.8913, 61.9129, 103.4015 by changing the saturation by 10% instead.



■ 59.8913, 61.9129,  
103.4015

■ 59.8913, 61.9129,  
103.4015

414.0382,  
431.6133, 592.3836

■ 43.5802, 44.9623,  
78.5116

■ 103.7792,  
107.5996, 167.9163

■ 30.5371, 31.4278,  
57.9754

132.0867,  
137.1046, 208.3784

■ 20.3967, 20.9248,  
41.3743

165.1236,  
171.5631, 254.8682

■ 12.7937, 13.0690,  
28.2898

203.2554,  
211.3596, 307.8044

■ 7.3626, 7.4761,  
18.3033

246.8474,  
256.8785, 367.6055

■ 3.7382, 3.7616,  
10.9963

296.2650,

■ 1.5551, 1.5411,

308.5041, 434.6901

5.9502

351.8734,  
366.6210, 509.4766

■ 0.3629, 0.3174,  
2.7465

■ 0.0000, 0.0000,  
0.9667

■ 59.8913, 61.9129,  
103.4015

■ 59.8913, 61.9129,  
103.4015

■ 50.4675, 51.2677,  
101.8435

■ 70.8608, 74.0162,  
105.1595

■ 42.5108, 42.0149,  
100.4769

■ 83.4390, 87.6253,  
107.1234

■ 35.9433, 34.0939,  
99.2941

95.0500, 100.0000,  
108.9000

■ 30.6771, 27.4365,  
98.2867

■ 26.6136, 21.9672,  
97.4451

■ 23.6378, 17.6007,  
96.7592

■ 21.5967, 14.2298,  
96.2161

■ 21.2989, 13.7178,  
96.1330

# Harmonies

## Analogous

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



54.4489, 61.9129, 99.8972



59.8913, 61.9129, 103.4015



65.3857, 61.9129, 96.0799

# Triad

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



59.8913, 61.9129, 103.4015



68.1512, 61.9129, 50.9055



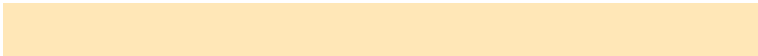
49.4981, 61.9129, 55.2993

# Complementary

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



59.8913, 61.9129, 103.4015



78.3635, 81.8307, 56.4664

# 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.



52.7582, 61.9129, 45.1032



59.8913, 61.9129, 103.4015



63.4744, 61.9129, 42.8654

# Square

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



59.8913, 61.9129, 103.4015



70.3462, 61.9129, 64.4811



57.8136, 61.9129, 40.9248



48.6735, 61.9129, 70.4317



# Rectangle

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



59.8913, 61.9129, 103.4015



68.2671, 61.9129, 86.6414



57.8136, 61.9129, 40.9248



50.3348, 61.9129, 51.2627

# Sweetspot

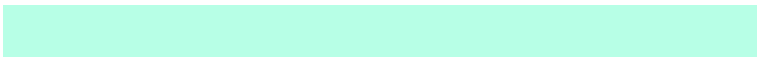
The Sweet Spot groups the original color and five complimentary colors.



59.8931, 61.9153, 103.4019



83.7530, 87.9621, 107.1719



69.5443, 87.2897, 87.8999



17.4977, 18.3670, 22.8729



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.



59.8931, 61.9153, 103.4019



54.2745, 55.6020, 102.4794



57.1819, 52.5318, 101.7336



17.4977, 18.3670, 22.8729



11.2511, 7.4117, 50.2722



1.1911, 0.9129, 4.9267



# Inverse Universe

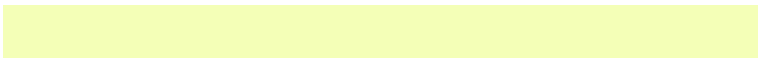
The Inverse Universe completely reimagines the original color for something new.



69.4372, 59.6337, 66.8847



65.3993, 53.4166, 59.8082



81.6855, 94.2080, 58.6804



18.2591, 18.0870, 19.9816



22.4672, 11.4762, 5.8448



2.2358, 1.1367, 0.8233



# Previews

## White Background



This preview shows how the XYZ color 59.8913, 61.9129, 103.4015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

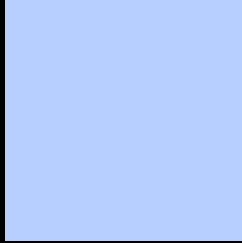
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8913, 61.9129, 103.4015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

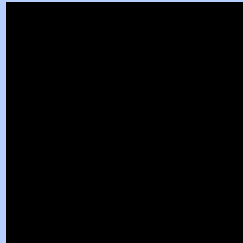
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

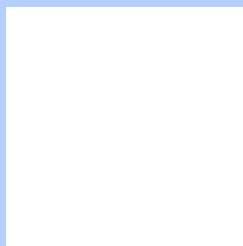
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.8913, 61.9129, 103.4015

## Background



This preview shows how black text looks on a background with the XYZ color 59.8913, 61.9129, 103.4015.



This preview shows how white text looks on a background with the XYZ color 59.8913, 61.9129,



# 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

59.8913, 61.9129, 103.4015

### Protanopia

61.8282, 61.8797, 101.6138

### Deuteranopia

62.9899, 61.7404, 103.2049



## **Tritanopia**

55.8178, 62.0912, 83.1716

# Trichromacy



## Original Color

59.8913, 61.9129, 103.4015

## Protanomaly

61.2066, 61.8948, 102.4869

## Deuteranomaly

61.8910, 61.8751, 103.2888

## Tritanomaly

57.0696, 61.8499, 89.8193

# Monochromacy



## Original Color

59.8913, 61.9129, 103.4015

## 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 59.8913, 61.9129, 103.4015 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(183, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8913, 61.9129, 103.4015 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(183, 207, 255) }
```



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

```
.border{ border-color:rgb(183, 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(183, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8913, 61.9129, 103.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 207, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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