

# Converting Colors

XYZ(71.3745, 67.4971,  
144.1569)

Have a look what the booklet for  
XYZ(71.3745, 67.4971, 144.1569)  
contains.

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# Color

**XYZ(63.8764, 64.6912,  
103.7278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5D1FF
RGB	197, 209, 255
RGB Percent	77%, 82%, 100%
CMY	0.2274, 0.1804, 0.0000
CMYK	0.23, 0.18, 0.00, 0.00
HSL	228°, 100%, 89%
HSV	228°, 23%, 100%
XYZ	63.8764, 64.6912, 103.7278
YIQ	210.6560, -21.9180, 11.7620

# Conversions

## Conversions Part 2

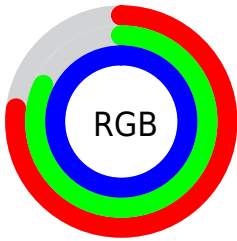
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 207, 255
Decimal	12964351
CIE <sub>Lab</sub>	84.32, 5.53, -23.82
CIE <sub>LCh</sub>	84, 24.453, 283.071
Yxy	64.6912, 0.2750, 0.2785
Android (android.graphics.Color)	4291154431 (0xFFC5D1FF)
YUV	210.6560, 21.8616, -11.9763
Hunter-Lab	80.4308, 1.0068, -20.1619

# Details

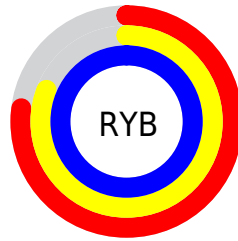
The XYZ color **63.8764, 64.6912, 103.7278** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.3686, 89.3917, 65.6854**, and the grayscale version is **61.5623, 64.7684, 70.5328**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **33.0697, 33.2707, 58.1050** is the 20% darker color. If you saturate the color by 10%, you get **53.1049, 52.2355, 101.8913**, and if you desaturate by 10%, it is **76.4108, 78.9937, 105.8278**.

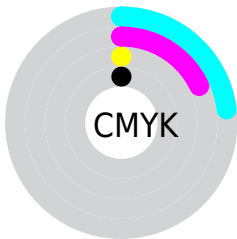
# Distribution



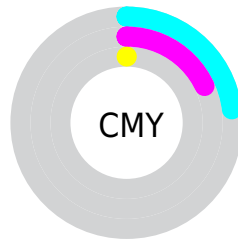
- Red (77%)
- Green (82%)
- Blue (100%)



- Red (77%)
- Yellow (81%)
- Blue (100%)



- Cyan (23%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8764, 64.6912, 103.7278 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 63.8764, 64.6912, 103.7278 by changing the saturation by 10% instead.



■ 63.8764, 64.6912,  
103.7278

■ 63.8764, 64.6912,  
103.7278

428.3525,  
441.6814, 593.4278

■ 46.8119, 47.2107,  
78.7832

109.5076,  
111.6058, 168.3671

■ 33.0943, 33.2023,  
58.1973

138.8051,  
141.8087, 208.8989

■ 22.3583, 22.2814,  
41.5516

172.9109,  
177.0212, 255.4635

■ 14.2385, 14.0638,  
28.4274

212.1903,  
217.6277, 308.4794

■ 8.3695, 8.1651,  
18.4062

257.0089,  
264.0125, 368.3653

■ 4.3861, 4.2008,  
11.0696

307.7319,

■ 1.9228, 1.7865,

316.5602, 435.5397

5.9989

364.7246,  
375.6550, 510.4210

■ 0.5900, 0.4787,  
2.7756

■ 0.0000, 0.0000,  
0.9812

■ 63.8764, 64.6912,  
103.7278

■ 63.8764, 64.6912,  
103.7278

■ 53.1049, 52.2355,  
101.8913

■ 76.4108, 78.9937,  
105.8278

■ 44.0104, 41.5429,  
100.3067

■ 90.7776, 95.2074,  
108.2001

■ 36.5081, 32.5340,  
98.9632

95.0500, 100.0000,  
108.9000

■ 30.5033, 25.1204,  
97.8488

■ 25.8908, 19.2052,  
96.9501

■ 22.5511, 14.6801,  
96.2527

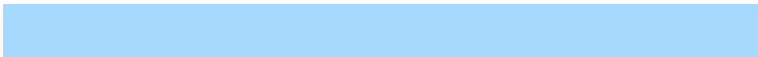
■ 20.3425, 11.4205,  
95.7400

■ 19.3125, 9.7450,  
95.4708

# Harmonies

## Analogous

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



58.4995, 64.6912, 103.0556



63.8764, 64.6912, 103.7278



68.8889, 64.6912, 94.5913

# Triad

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



63.8764, 64.6912, 103.7278



69.4259, 64.6912, 51.9433



52.0383, 64.6912, 62.0924

# Complementary

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



63.8764, 64.6912, 103.7278



83.3686, 89.3917, 65.6854

# 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.



54.6353, 64.6912, 50.7913



63.8764, 64.6912, 103.7278



64.5746, 64.6912, 45.5499

# Square

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



63.8764, 64.6912, 103.7278



72.2175, 64.6912, 63.8953



59.1580, 64.6912, 45.1619



51.8759, 64.6912, 77.4122



# Rectangle

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



63.8764, 64.6912, 103.7278



71.2636, 64.6912, 84.8514



59.1580, 64.6912, 45.1619



52.6482, 64.6912, 57.7564

# Sweetspot

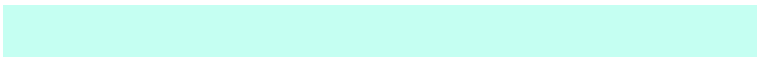
The Sweet Spot groups the original color and five complimentary colors.



63.8782, 64.6937, 103.7281



84.4342, 88.0685, 107.1565



74.8790, 89.8276, 97.7385



17.8857, 18.6397, 22.9051



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.



63.8782, 64.6937, 103.7281



59.0825, 59.1707, 102.9148



65.5840, 61.3651, 102.9958



17.3075, 17.9866, 22.8095



10.1761, 5.2617, 49.9139



1.0647, 0.6601, 4.8846



# Inverse Universe

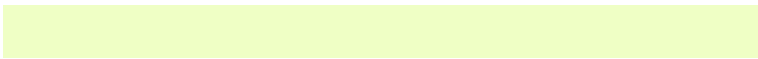
The Inverse Universe completely reimagines the original color for something new.



72.7161, 65.7975, 69.1920



69.3023, 60.6298, 62.9374



81.2891, 93.8269, 66.6511



18.1631, 18.0486, 19.4760



21.9246, 11.2591, 2.9875



2.1720, 1.1112, 0.4873



# Previews

## White Background



This preview shows how the XYZ color 63.8764, 64.6912, 103.7278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

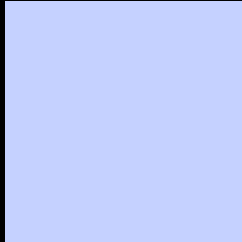
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8764, 64.6912, 103.7278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

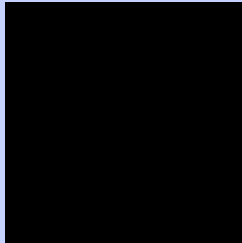
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.8764, 64.6912, 103.7278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8764, 64.6912, 103.7278.



This preview shows how white text looks on a background with the XYZ color 63.8764, 64.6912,



# 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

63.8764, 64.6912, 103.7278

### Protanopia

64.2647, 64.5469, 102.8376

### Deuteranopia

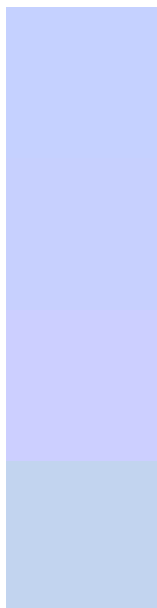
66.1337, 64.7725, 103.6245



## Tritanopia

59.8154, 64.5081, 84.1616

# Trichromacy



## Original Color

63.8764, 64.6912, 103.7278

## Protanomaly

63.9985, 64.4096, 102.8252

## Deuteranomaly

65.2647, 64.6830, 103.6530

## Tritanomaly

61.3716, 64.7883, 90.9321

# Monochromacy



## Original Color

63.8764, 64.6912, 103.7278

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

62.3653, 64.7610, 81.8862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8764, 64.6912, 103.7278 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(197, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 209, 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(197, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 209, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8764, 64.6912, 103.7278 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(197, 209, 255) }
```



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

```
.border{ border-color:rgb(197, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 209,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8764, 64.6912, 103.7278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 209, 255) }
```

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

```
.background{ background-color: rgb(197,  
209, 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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