

# Converting Colors

XYZ(76.0281, 71.1404,  
162.2624)

Have a look what the booklet for  
XYZ(76.0281, 71.1404, 162.2624)  
contains.

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# Color

**XYZ(64.8702, 66.6788,  
104.0590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5D5FF
RGB	197, 213, 255
RGB Percent	77%, 84%, 100%
CMY	0.2274, 0.1647, 0.0000
CMYK	0.23, 0.16, 0.00, 0.00
HSL	223°, 100%, 89%
HSV	223°, 23%, 100%
XYZ	64.8702, 66.6788, 104.0590
YIQ	213.0040, -23.0180, 9.6700

# Conversions

## Conversions Part 2

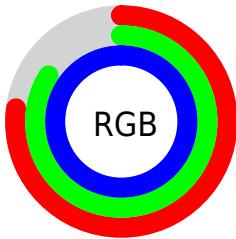
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 210, 255
Decimal	12965375
CIELab	85.34, 3.41, -22.27
CIELCh	85, 22.534, 278.693
Yxy	66.6788, 0.2753, 0.2830
Android (android.graphics.Color)	4291155455 (0xFFC5D5FF)
YUV	213.0040, 20.7040, -14.0355
Hunter-Lab	81.6571, -1.0955, -18.3957

# Details

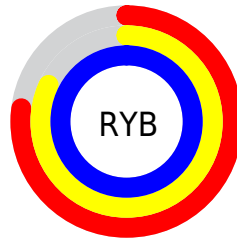
The XYZ color **64.8702, 66.6788, 104.0590** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1845, 87.0235, 65.2907**, and the grayscale version is **63.1271, 66.4146, 72.3255**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **33.5752, 34.2817, 58.2735** is the 20% darker color. If you saturate the color by 10%, you get **54.3665, 54.7588, 102.3118**, and if you desaturate by 10%, it is **77.0358, 80.2438, 106.0361**.

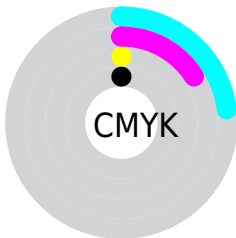
# Distribution



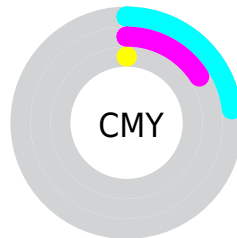
- Red (77%)
- Green (84%)
- Blue (100%)



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



- Cyan (23%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8702, 66.6788, 104.0590 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 64.8702, 66.6788, 104.0590 by changing the saturation by 10% instead.



■ 64.8702, 66.6788,  
104.0590

■ 64.8702, 66.6788,  
104.0590

431.8780,  
448.8006, 594.4867

■ 47.6201, 48.8236,  
79.0590

110.9300,  
114.4600, 168.8244

■ 33.7362, 34.4796,  
58.4227

140.4704,  
145.1549, 209.4269

■ 22.8529, 23.2623,  
41.7316

174.8383,  
180.8985, 256.0673

■ 14.6050, 14.7873,  
28.5672

214.3991,  
222.0752, 309.1642

■ 8.6272, 8.6702,  
18.5109

259.5181,  
269.0693, 369.1360

■ 4.5540, 4.5267,  
11.1442

310.5607,

■ 2.0201, 1.9724,

322.2653, 436.4013

6.0485

367.8922,  
382.0476, 511.3787

■ 0.6452, 0.5913,  
2.8053

■ 0.0000, 0.0000,  
0.9961

■ 64.8702, 66.6788,  
104.0590

■ 64.8702, 66.6788,  
104.0590

■ 54.3665, 54.7588,  
102.3118

■ 77.0358, 80.2438,  
106.0361

■ 45.4447, 44.4115,  
100.7848

■ 90.9274, 95.5068,  
108.2500

■ 38.0262, 35.5703,  
99.4693

■ 95.0500, 100.0000,  
108.9000

■ 32.0234, 28.1607,  
98.3555

■ 27.3388, 22.1012,  
97.4328

■ 23.8616, 17.3010,  
96.6895

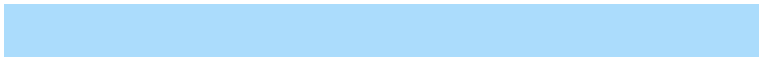
■ 21.4601, 13.6558,  
96.1125

■ 20.2624, 11.6448,  
95.7875

# Harmonies

## Analogous

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



59.8787, 66.6788, 102.0417



64.8702, 66.6788, 104.0590



69.7076, 66.6788, 96.8068

# Triad

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



64.8702, 66.6788, 104.0590



71.3438, 66.6788, 56.4194



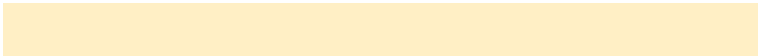
54.6707, 66.6788, 62.8660

# Complementary

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



64.8702, 66.6788, 104.0590



82.1845, 87.0235, 65.2907

# 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.



57.4403, 66.6788, 52.8106



64.8702, 66.6788, 104.0590



67.0073, 66.6788, 49.4507

# Square

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



64.8702, 66.6788, 104.0590



73.5744, 66.6788, 68.4386



61.9053, 66.6788, 48.2244



54.1668, 66.6788, 76.9307



# Rectangle

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



64.8702, 66.6788, 104.0590



72.1309, 66.6788, 88.1978



61.9053, 66.6788, 48.2244



55.3602, 66.6788, 58.9622

# Sweetspot

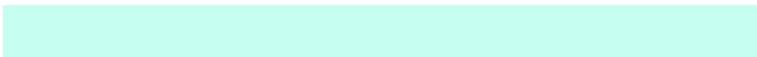
The Sweet Spot groups the original color and five complimentary colors.



64.8721, 66.6814, 104.0594



84.7996, 88.7992, 107.2783



74.3029, 89.5972, 94.7046



17.9702, 18.8085, 22.9332



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.



64.8721, 66.6814, 104.0594



60.2024, 61.4103, 103.2881



64.4727, 60.7923, 102.9437



17.4108, 18.1933, 22.8440



10.6940, 6.2975, 50.0865



1.1280, 0.7867, 4.9057



# Inverse Universe

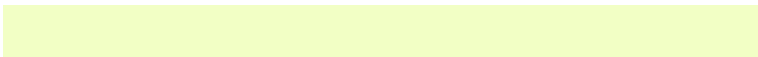
The Inverse Universe completely reimagines the original color for something new.



73.2177, 65.9982, 71.8336



69.8676, 60.8559, 65.9138



82.6055, 94.5055, 66.7127



18.2153, 18.0694, 19.7508



22.1860, 11.3637, 4.3641



2.2040, 1.1240, 0.6556



# Previews

## White Background



This preview shows how the XYZ color 64.8702, 66.6788, 104.0590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

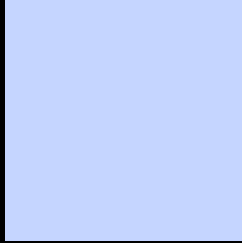
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8702, 66.6788, 104.0590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

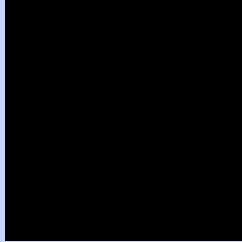
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.8702, 66.6788, 104.0590

## Background



This preview shows how black text looks on a background with the XYZ color 64.8702, 66.6788, 104.0590.



This preview shows how white text looks on a background with the XYZ color 64.8702, 66.6788,



# 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

64.8702, 66.6788, 104.0590

### Protanopia

66.0855, 66.5817, 103.1344

### Deuteranopia

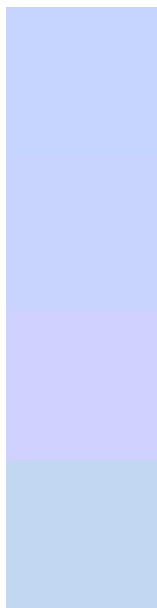
67.7573, 66.3288, 103.8393



## Tritanopia

61.6565, 66.9037, 87.5060

# Trichromacy



## Original Color

64.8702, 66.6788, 104.0590

## Protanomaly

65.5203, 66.6602, 103.1794

## Deuteranomaly

66.8287, 66.5786, 103.9364

## Tritanomaly

62.8310, 66.9919, 93.6236

# Monochromacy



## Original Color

64.8702, 66.6788, 104.0590

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.5300, 66.4553, 82.8776

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8702, 66.6788, 104.0590 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 213, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8702, 66.6788, 104.0590 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, 213, 255) }
```



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

```
.border{ border-color:rgb(197, 213, 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, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 213,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8702, 66.6788, 104.0590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 213, 255) }
```

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

```
.background{ background-color: rgb(197,  
213, 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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