

# Converting Colors

XYZ(70.1606, 69.0522,  
117.0712)

Have a look what the booklet for  
XYZ(70.1606, 69.0522, 117.0712)  
contains.

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# Color

**XYZ(67.8567, 68.2184,  
104.1988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0D5FF
RGB	208, 213, 255
RGB Percent	82%, 84%, 100%
CMY	0.1843, 0.1647, 0.0000
CMYK	0.18, 0.16, 0.00, 0.00
HSL	234°, 100%, 91%
HSV	234°, 18%, 100%
XYZ	67.8567, 68.2184, 104.1988
YIQ	216.2930, -16.4620, 12.0020

# Conversions

## Conversions Part 2

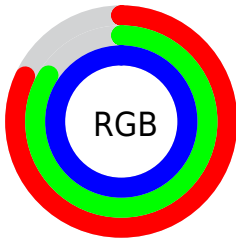
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 213, 255
Decimal	13686271
CIE Lab	86.12, 6.72, -21.03
CIE LCh	86, 22.077, 287.732
Yxy	68.2184, 0.2824, 0.2839
Android (android.graphics.Color)	4291876351 (0xFFD0D5FF)
YUV	216.2930, 19.0826, -7.2730
Hunter-Lab	82.5944, 2.1091, -16.9825

# Details

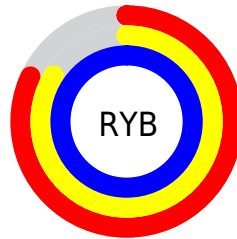
The XYZ color **67.8567, 68.2184, 104.1988** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.8105, 94.1843, 73.2802**, and the grayscale version is **65.3536, 68.7571, 74.8765**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5568, 35.3032, 58.3662** is the 20% darker color. If you saturate the color by 10%, you get **55.9212, 54.1481, 102.1120**, and if you desaturate by 10%, it is **81.7539, 84.4988, 106.6088**.

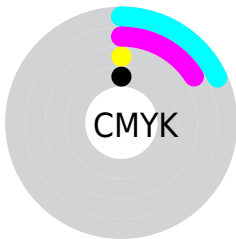
# Distribution



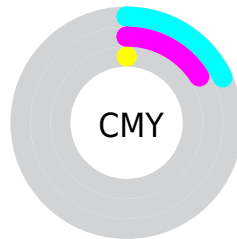
- Red (82%)
- Green (84%)
- Blue (100%)



- Red (82%)
- Yellow (84%)
- Blue (100%)



- Cyan (18%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8567, 68.2184, 104.1988 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 67.8567, 68.2184, 104.1988 by changing the saturation by 10% instead.



67.8567, 68.2184,  
104.1988

67.8567, 68.2184,  
104.1988

442.3728,  
454.2694, 594.9334

50.0544, 50.0754,  
79.1754

115.1902,  
116.6645, 169.0174

35.6746, 35.4733,  
58.5178

145.4520,  
147.7365, 209.6497

24.3519, 24.0277,  
41.8077

180.5978,  
183.8869, 256.3221

15.7210, 15.3542,  
28.6263

220.9929,  
225.5001, 309.4530

9.4166, 9.0683,  
18.5551

267.0025,  
272.9606, 369.4611

5.0732, 4.7858,  
11.1757

318.9922,

2.3254, 2.1221,

326.6527, 436.7648

6.0695

377.3272,  
386.9609, 511.7828

■ 0.8076, 0.6770,  
2.8179

■ 0.0000, 0.0000,  
1.0024

■ 67.8567, 68.2184,  
104.1988

■ 67.8567, 68.2184,  
104.1988

■ 55.9212, 54.1481,  
102.1120

■ 81.7539, 84.4988,  
106.6088

■ 45.8532, 42.1845,  
100.3334

95.0500, 100.0000,  
108.9000

■ 37.5596, 32.2284,  
98.8488

■ 30.9366, 24.1691,  
97.6423

■ 25.8698, 17.8852,  
96.6964

■ 22.2300, 13.2410,  
95.9919

■ 19.8671, 10.0808,  
95.5064

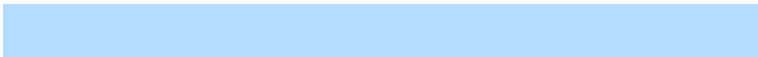
■ 18.5827, 8.2110,  
95.2132

■ 18.4451, 8.0103,  
95.1817

# Harmonies

## Analogous

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



62.7884, 68.2184, 105.0651



67.8567, 68.2184, 104.1988



72.3309, 68.2184, 94.7022

# Triad

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



67.8567, 68.2184, 104.1988



71.6258, 68.2184, 55.4600



55.7653, 68.2184, 68.4976

# Complementary

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



67.8567, 68.2184, 104.1988



86.8105, 94.1843, 73.2802

# 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.



57.8842, 68.2184, 57.0246



67.8567, 68.2184, 104.1988



66.9349, 68.2184, 50.1828

# Square

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



67.8567, 68.2184, 104.1988



74.5838, 68.2184, 66.0889



61.9132, 68.2184, 50.7154



55.9832, 68.2184, 83.1176



# Rectangle

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



67.8567, 68.2184, 104.1988



74.2942, 68.2184, 85.3780



61.9132, 68.2184, 50.7154



56.2231, 68.2184, 64.1848

# Sweetspot

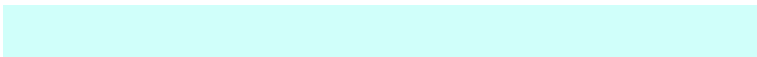
The Sweet Spot groups the original color and five complimentary colors.



67.8586, 68.2211, 104.1992



85.4360, 88.7980, 107.2445



78.9528, 91.8022, 103.6042



18.0725, 18.7562, 22.9177



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.



67.8586, 68.2211, 104.1992



63.3771, 62.9492, 103.4178



71.9763, 68.5048, 104.0369



17.1586, 17.6887, 22.7599



9.6880, 4.2855, 49.7512



0.9920, 0.5146, 4.8603



# Inverse Universe

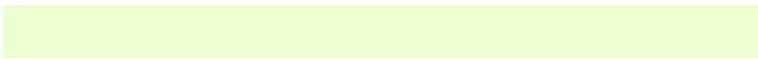
The Inverse Universe completely reimagines the original color for something new.



75.8074, 71.1774, 72.6970



72.6443, 66.4624, 66.6755



82.0653, 94.0760, 73.5095



18.0879, 18.0185, 19.0802



21.6782, 11.1606, 1.6901



2.1353, 1.0965, 0.2939



# Previews

## White Background



This preview shows how the XYZ color 67.8567, 68.2184, 104.1988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

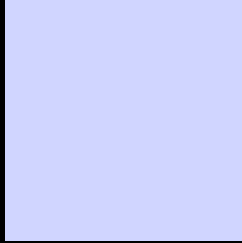
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.8567, 68.2184, 104.1988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

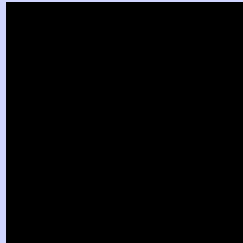
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.8567, 68.2184, 104.1988

## Background



This preview shows how black text looks on a background with the XYZ color 67.8567, 68.2184, 104.1988.



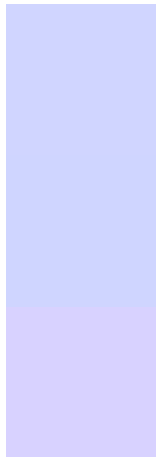
This preview shows how white text looks on a background with the XYZ color 67.8567, 68.2184,



# 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

67.8567, 68.2184, 104.1988

### Protanopia

67.5764, 68.0739, 104.1857

### Deuteranopia

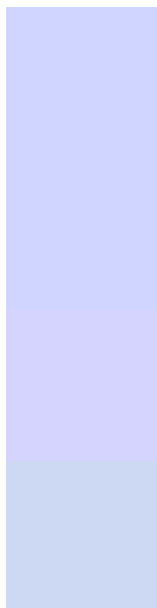
69.4155, 67.9121, 104.0575



## Tritanopia

64.5660, 68.4036, 87.6421

# Trichromacy



## Original Color

67.8567, 68.2184, 104.1988

## Protanomaly

67.5764, 68.0739, 104.1857

## Deuteranomaly

68.7848, 67.9547, 104.0990

## Tritanomaly

65.7597, 68.5017, 93.7606

# Monochromacy



## Original Color

67.8567, 68.2184, 104.1988

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

66.0239, 68.4602, 84.5972

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8567, 68.2184, 104.1988 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(208, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 213, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8567, 68.2184, 104.1988 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(208, 213, 255) }
```



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

```
.border{ border-color:rgb(208, 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(208, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 213,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8567, 68.2184, 104.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 213, 255) }
```

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

```
.background{ background-color: rgb(208,  
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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