

# Converting Colors

XYZ(64.8596, 66.9661,  
101.1385)

Have a look what the booklet for  
XYZ(64.8596, 66.9661, 101.1385)  
contains.

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# Color

**XYZ(65.0123, 67.2003,  
100.8112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7D6FB
RGB	199, 214, 251
RGB Percent	78%, 84%, 98%
CMY	0.2196, 0.1608, 0.0157
CMYK	0.21, 0.15, 0.00, 0.02
HSL	223°, 87%, 88%
HSV	223°, 21%, 98%
XYZ	65.0123, 67.2003, 100.8112
YIQ	213.7330, -20.8170, 8.3270

# Conversions

## Conversions Part 2

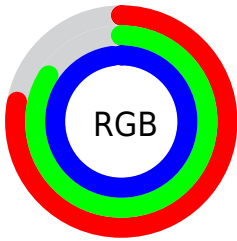
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	199, 211, 251
Decimal	13096699
CIE Lab	85.60, 2.59, -19.75
CIE LCh	86, 19.919, 277.475
Yxy	67.2003, 0.2790, 0.2884
Android (android.graphics.Color)	4291286779 (0xFFC7D6FB)
YUV	213.7330, 18.3726, -12.9208
Hunter-Lab	81.9758, -1.8952, -15.5299

# Details

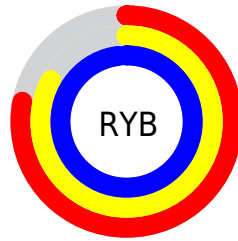
The XYZ color **65.0123, 67.2003, 100.8112** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.0884, 84.6236, 66.1472**, and the grayscale version is **63.6293, 66.9429, 72.9008**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6373, 34.6206, 55.9485** is the 20% darker color. If you saturate the color by 10%, you get **54.6195, 55.4984, 99.1014**, and if you desaturate by 10%, it is **77.0032, 80.4650, 102.7407**.

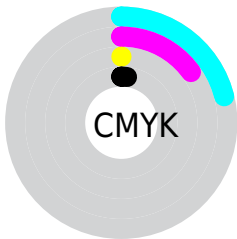
# Distribution



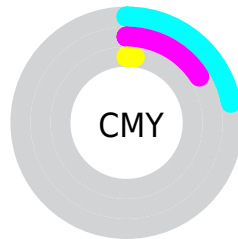
- Red (78%)
- Green (84%)
- Blue (98%)



- Red (78%)
- Yellow (83%)
- Blue (98%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (16%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0123, 67.2003, 100.8112 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 65.0123, 67.2003, 100.8112 by changing the saturation by 10% instead.



■ 65.0123, 67.2003,  
100.8112

■ 65.0123, 67.2003,  
100.8112

432.3807,  
450.6574, 584.0592

■ 47.7358, 49.2474,  
76.3575

111.1332,  
115.2074, 164.3331

■ 33.8281, 34.8158,  
56.2173

140.7082,  
146.0304, 204.2384

■ 22.9238, 23.5210,  
39.9720

175.1135,  
181.9122, 250.1313

■ 14.6577, 14.9787,  
27.2031

214.7143,  
223.2372, 302.4304

■ 8.6642, 8.8044,  
17.4920

259.8761,  
270.3898, 361.5542

■ 4.5782, 4.6138,  
10.4203

310.9642,

■ 2.0341, 2.0225,

323.7545, 427.9212

5.5693

368.3439,  
383.7156, 501.9501

■ 0.6530, 0.6205,  
2.5205

■ 0.0000, 0.0000,  
0.8510

■ 65.0123, 67.2003,  
100.8112

■ 65.0123, 67.2003,  
100.8112

■ 54.6195, 55.4984,  
99.1014

■ 77.0032, 80.4650,  
102.7407

■ 45.7488, 45.2914,  
97.5988

■ 90.6512, 95.3405,  
104.8926

■ 38.3273, 36.5187,  
96.2966

■ 94.4128, 99.7451,  
105.5445

■ 32.2731, 29.1116,  
95.1860

■ 27.4958, 22.9957,  
94.2573

■ 23.8932, 18.0882,  
93.4999

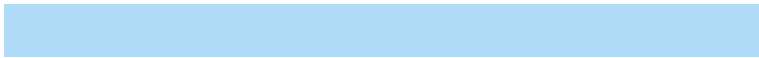
■ 21.3450, 14.2948,  
92.9020

■ 19.7571, 11.6538,  
92.4760

# Harmonies

## Analogous

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



60.5911, 67.2003, 98.7307



65.0123, 67.2003, 100.8112



69.3222, 67.2003, 94.8188

# Triad

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



65.0123, 67.2003, 100.8112



71.0409, 67.2003, 59.0107



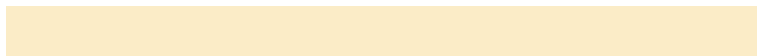
56.1553, 67.2003, 64.0186

# Complementary

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



65.0123, 67.2003, 100.8112



80.0884, 84.6236, 66.1472

# 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.



58.7150, 67.2003, 55.0954



65.0123, 67.2003, 100.8112



67.2690, 67.2003, 52.4516

# Square

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



65.0123, 67.2003, 100.8112



72.9082, 67.2003, 69.9706



62.7449, 67.2003, 51.1080



55.6148, 67.2003, 76.4648



# Rectangle

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



65.0123, 67.2003, 100.8112



71.5053, 67.2003, 87.4265



62.7449, 67.2003, 51.1080



56.8020, 67.2003, 60.5537

# Sweetspot

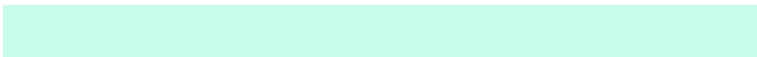
The Sweet Spot groups the original color and five complimentary colors.



65.0144, 67.2030, 100.8127



86.2685, 90.4629, 107.5220



73.1049, 87.1590, 91.8722



18.2686, 19.1485, 22.9831



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.



65.0144, 67.2030, 100.8127



62.5572, 64.2456, 103.7113



64.2453, 61.4272, 99.7384



16.6909, 17.4587, 21.8754



10.4926, 6.3407, 48.6444



1.0585, 0.7606, 4.5342



# Inverse Universe

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



72.3463, 66.2127, 72.5887



71.5137, 63.2661, 69.1818



80.9464, 91.7495, 67.4775



17.4505, 17.3076, 18.9622



21.5882, 11.0510, 4.5399

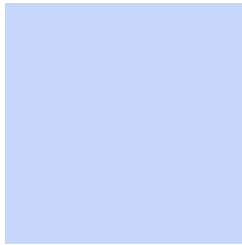


2.0432, 1.0410, 0.6509



# Previews

## White Background



This preview shows how the XYZ color 65.0123, 67.2003, 100.8112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

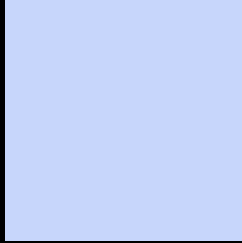
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0123, 67.2003, 100.8112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

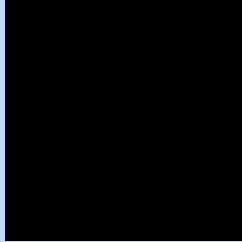
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.0123, 67.2003, 100.8112

## Background



This preview shows how black text looks on a background with the XYZ color 65.0123, 67.2003, 100.8112.



This preview shows how white text looks on a background with the XYZ color 65.0123, 67.2003,



# 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

65.0123, 67.2003, 100.8112

### Protanopia

66.5309, 67.2545, 99.9173

### Deuteranopia

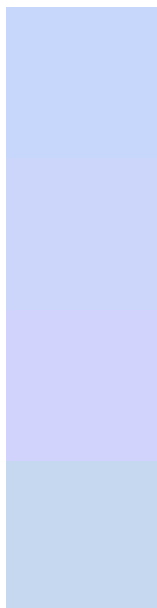
68.6901, 67.2281, 101.4514



## Tritanopia

62.4291, 67.3020, 87.5421

# Trichromacy



## Original Color

65.0123, 67.2003, 100.8112

## Protanomaly

65.9514, 67.3280, 99.9621

## Deuteranomaly

67.4433, 67.3184, 101.5346

## Tritanomaly

63.3100, 67.2733, 92.0863

# Monochromacy



## Original Color

65.0123, 67.2003, 100.8112

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.2062, 67.1945, 82.2589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0123, 67.2003, 100.8112 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(199, 214, 251)` looks like.

```
.text, #text, p{  
    color:rgb(199, 214, 251)  
}
```

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(199, 214, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 214, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0123, 67.2003, 100.8112 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(199, 214, 251) }
```



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

```
.border{ border-color:rgb(199, 214, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 214, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 214, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 214, 251);  
box-shadow:4px 4px 4px 4px rgb(199, 214,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0123, 67.2003, 100.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 214, 251) }
```

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

```
.background{ background-color: rgb(199,  
214, 251) }
```

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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