

# Converting Colors

XYZ(65.4915, 68.1735,  
104.3148)

Have a look what the booklet for  
XYZ(65.4915, 68.1735, 104.3148)  
contains.

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# **Color**

**XYZ(65.3708, 68.0675,  
104.3007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D8FF
RGB	196, 216, 255
RGB Percent	77%, 85%, 100%
CMY	0.2314, 0.1529, 0.0000
CMYK	0.23, 0.15, 0.00, 0.00
HSL	220°, 100%, 88%
HSV	220°, 23%, 100%
XYZ	65.3708, 68.0675, 104.3007
YIQ	214.4660, -24.4390, 7.8890

# Conversions

## Conversions Part 2

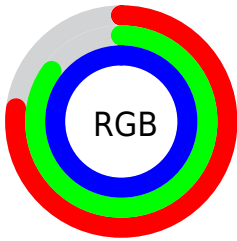
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 211, 255
Decimal	12900607
CIE Lab	86.04, 1.52, -21.22
CIE LCh	86, 21.277, 274.106
Yxy	68.0675, 0.2750, 0.2863
Android (android.graphics.Color)	4291090687 (0xFFC4D8FF)
YUV	214.4660, 19.9833, -16.1947
Hunter-Lab	82.5030, -2.9469, -17.2026

# Details

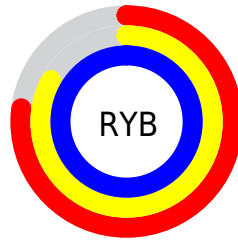
The XYZ color **65.3708, 68.0675, 104.3007** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9120, 84.6614, 64.3030**, and the grayscale version is **64.1133, 67.4522, 73.4555**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.9224, 35.2297, 58.4382** is the 20% darker color. If you saturate the color by 10%, you get **55.1944, 56.7379, 102.6502**, and if you desaturate by 10%, it is **77.1212, 80.8694, 106.1524**.

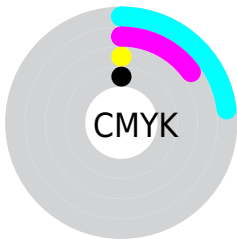
# Distribution



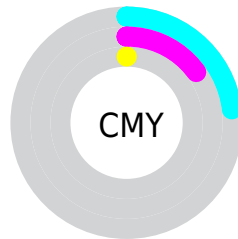
- Red (77%)
- Green (85%)
- Blue (100%)



- Red (77%)
- Yellow (83%)
- Blue (100%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3708, 68.0675, 104.3007 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 65.3708, 68.0675, 104.3007 by changing the saturation by 10% instead.



■ 65.3708, 68.0675,  
104.3007

■ 65.3708, 68.0675,  
104.3007

433.6475,  
453.7351, 595.2589

■ 48.0276, 49.9527,  
79.2602

111.6455,  
116.4487, 169.1581

■ 34.0601, 35.3758,  
58.5872

141.3078,  
147.4838, 209.8121

■ 23.1029, 23.9525,  
41.8631

175.8071,  
183.5945, 256.5078

■ 14.7906, 15.2984,  
28.6693

215.5089,  
225.1652, 309.6636

■ 8.7579, 9.0291,  
18.5874

260.7785,  
272.5802, 369.6980

■ 4.6395, 4.7601,  
11.1987

311.9812,

■ 2.0699, 2.1072,

326.2239, 437.0297

6.0848

369.4824,  
386.4808, 512.0771

■ 0.6728, 0.6687,  
2.8271

■ 0.0000, 0.0000,  
1.0070

■ 65.3708, 68.0675,  
104.3007

■ 65.3708, 68.0675,  
104.3007

■ 55.1944, 56.7379,  
102.6502

■ 77.1212, 80.8694,  
106.1524

■ 46.5159, 46.8168,  
101.1926

■ 90.5056, 95.1883,  
108.2108

■ 39.2616, 38.2469,  
99.9208

95.0500, 100.0000,  
108.9000

■ 33.3483, 30.9637,  
98.8267

■ 28.6839, 24.8966,  
97.9015

■ 25.1629, 19.9668,  
97.1355

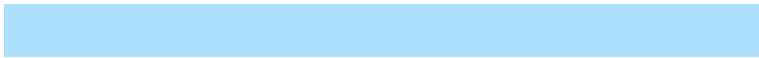
■ 22.6599, 16.0831,  
96.5178

■ 21.4140, 13.9480,  
96.1713

# Harmonies

## Analogous

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



60.6818, 68.0675, 101.0319



65.3708, 68.0675, 104.3007



70.1051, 68.0675, 98.6830

# Triad

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



65.3708, 68.0675, 104.3007



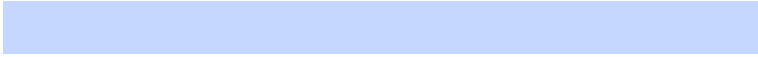
72.7860, 68.0675, 60.0352



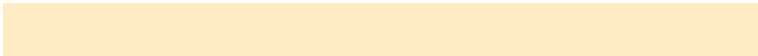
56.6117, 68.0675, 62.9802

# Complementary

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



65.3708, 68.0675, 104.3007



80.9120, 84.6614, 64.3030

# 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.



59.5728, 68.0675, 54.0040



65.3708, 68.0675, 104.3007



68.8837, 68.0675, 52.4598

# Square

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



65.3708, 68.0675, 104.3007



74.5205, 68.0675, 72.2050



64.0261, 68.0675, 50.3981



55.7755, 68.0675, 76.0562



# Rectangle

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



65.3708, 68.0675, 104.3007



72.6044, 68.0675, 91.0235



64.0261, 68.0675, 50.3981



57.3840, 68.0675, 59.4401

# Sweetspot

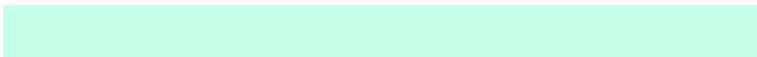
The Sweet Spot groups the original color and five complimentary colors.



65.3727, 68.0702, 104.3011



85.1361, 89.4723, 107.3905



73.4275, 89.2169, 91.4571



18.0479, 18.9641, 22.9592



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.



65.3727, 68.0702, 104.3011



60.2302, 62.3785, 103.4735



62.9267, 59.6593, 102.8065



17.5063, 18.3842, 22.8758



11.3126, 7.5347, 50.2927



1.1979, 0.9265, 4.9290



# Inverse Universe

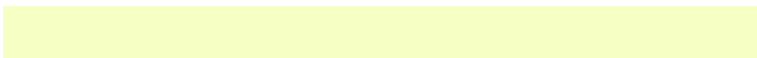
The Inverse Universe completely reimagines the original color for something new.



73.3758, 65.6992, 73.7827



69.6589, 59.9196, 67.4440



83.7830, 95.1257, 66.1715



18.2635, 18.0887, 20.0045



22.4983, 11.4886, 6.0083

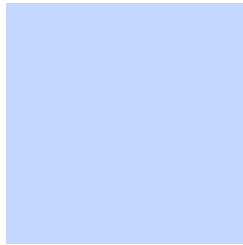


2.2392, 1.1381, 0.8413



# Previews

## White Background



This preview shows how the XYZ color 65.3708, 68.0675, 104.3007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

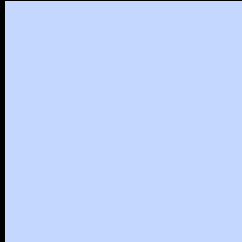
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3708, 68.0675, 104.3007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

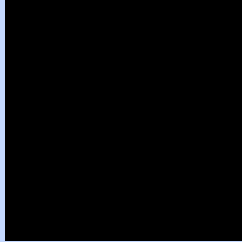
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.3708, 68.0675, 104.3007

## Background



This preview shows how black text looks on a background with the XYZ color 65.3708, 68.0675, 104.3007.



This preview shows how white text looks on a background with the XYZ color 65.3708, 68.0675,



# 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

65.3708, 68.0675, 104.3007

### Protanopia

67.2560, 67.9457, 102.4986

### Deuteranopia

69.1209, 67.7603, 104.0437



## Tritanopia

62.3558, 67.9839, 89.9565

# Trichromacy



## Original Color

65.3708, 68.0675, 104.3007

## Protanomaly

66.5646, 67.9454, 103.3724

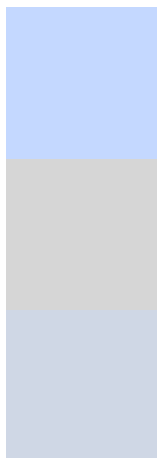
## Deuteranomaly

67.6059, 67.7169, 104.1152

## Tritanomaly

63.3929, 68.0119, 95.3744

# Monochromacy



## Original Color

65.3708, 68.0675, 104.3007

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.1754, 67.5234, 83.7797

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3708, 68.0675, 104.3007 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(196, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 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(196, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3708, 68.0675, 104.3007 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(196, 216, 255) }
```



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

```
.border{ border-color:rgb(196, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 216,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3708, 68.0675, 104.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 255) }
```

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

```
.background{ background-color: rgb(196,  
216, 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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