

# Converting Colors

XYZ(66.4117, 71.3228, 98.5461)

Have a look what the booklet for  
XYZ(66.4117, 71.3228, 98.5461)  
contains.

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# Color

**XYZ(66.4649, 71.4965,  
98.2928)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6DFF7
RGB	198, 223, 247
RGB Percent	78%, 87%, 97%
CMY	0.2235, 0.1255, 0.0314
CMYK	0.20, 0.10, 0.00, 0.03
HSL	209°, 75%, 87%
HSV	209°, 20%, 97%
XYZ	66.4649, 71.4965, 98.2928
YIQ	218.2610, -22.6040, 2.1640

# Conversions

## Conversions Part 2

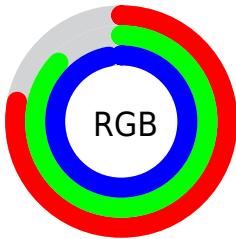
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 215, 247
Decimal	13033463
CIE Lab	87.73, -3.29, -14.46
CIE LCh	88, 14.826, 257.169
Yxy	71.4965, 0.2813, 0.3026
Android (android.graphics.Color)	4291223543 (0xFFC6DFF7)
YUV	218.2610, 14.1683, -17.7689
Hunter-Lab	84.5556, -7.6624, -9.7335

# Details

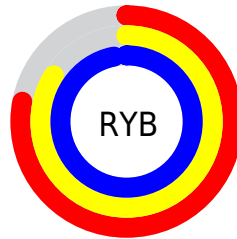
The XYZ color **66.4649, 71.4965, 98.2928** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.6728, 76.0941, 64.1797**, and the grayscale version is **66.7388, 70.2144, 76.4635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9082, 37.6961, 54.7264** is the 20% darker color. If you saturate the color by 10%, you get **57.3607, 62.1770, 96.9750**, and if you desaturate by 10%, it is **76.8660, 81.8310, 99.7405**.

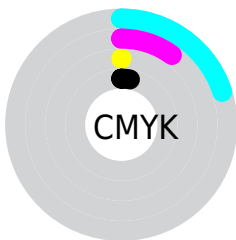
# Distribution



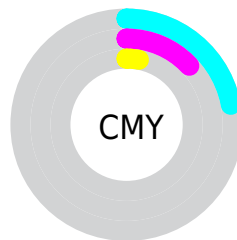
- Red (78%)
- Green (87%)
- Blue (97%)



- Red (78%)
- Yellow (84%)
- Blue (97%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (13%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4649, 71.4965, 98.2928 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 66.4649, 71.4965, 98.2928 by changing the saturation by 10% instead.



■ 66.4649, 71.4965,  
98.2928

■ 66.4649, 71.4965,  
98.2928

437.5002,  
465.7872, 575.9051

■ 48.9190, 52.7475,  
74.2666

113.2074,  
121.3404, 160.8405

■ 34.7695, 37.6012,  
54.5142

143.1346,  
153.2041, 200.1991

■ 23.6510, 25.6733,  
38.6169

177.9197,  
190.2081, 245.5055

■ 15.1983, 16.5794,  
26.1563

217.9280,  
232.7369, 297.1784

■ 9.0459, 9.9351,  
16.7138

263.5249,  
281.1748, 355.6363

■ 4.8285, 5.3559,  
9.8709

315.0756,

■ 2.1807, 2.4576,

335.9062, 421.2977

5.2089

372.9456,  
397.3155, 494.5811

■ 0.7325, 0.8553,  
2.3095

■ 0.0000, 0.0000,  
0.7365

■ 66.4649, 71.4965,  
98.2928

■ 66.4649, 71.4965,  
98.2928

■ 57.3607, 62.1770,  
96.9750

■ 76.8660, 81.8310,  
99.7405

■ 49.4907, 53.8276,  
95.7782

■ 88.6102, 93.2058,  
101.3171

■ 42.7965, 46.4128,  
94.6998

■ 93.7887, 99.4955,  
102.2582

■ 37.2120, 39.8908,  
93.7352

■ 32.6638, 34.2158,  
92.8796

■ 29.0685, 29.3368,  
92.1273

■ 26.3276, 25.1944,  
91.4722

■ 24.2841, 21.6987,  
90.9052

■ 24.2539, 21.6458,  
90.8966

# Harmonies

## Analogous

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



63.4620, 71.4965, 92.9273



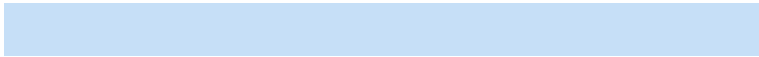
66.4649, 71.4965, 98.2928



69.9705, 71.4965, 97.8504

# Triad

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



66.4649, 71.4965, 98.2928



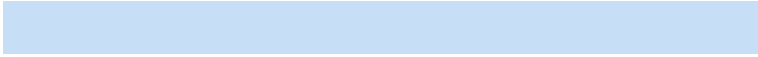
74.6214, 71.4965, 72.2710



63.1170, 71.4965, 65.4126

# Complementary

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



66.4649, 71.4965, 98.2928



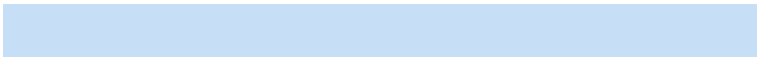
74.6728, 76.0941, 64.1797

# 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.



65.9792, 71.4965, 60.7752



66.4649, 71.4965, 98.2928



72.6558, 71.4965, 64.4943

# Square

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



66.4649, 71.4965, 98.2928



74.7624, 71.4965, 82.2271



69.4678, 71.4965, 60.4543

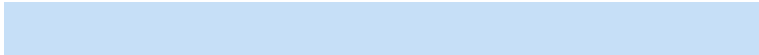


61.5744, 71.4965, 73.6263



# Rectangle

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



66.4649, 71.4965, 98.2928



72.1221, 71.4965, 94.3178



69.4678, 71.4965, 60.4543



63.9521, 71.4965, 63.4158

# Sweetspot

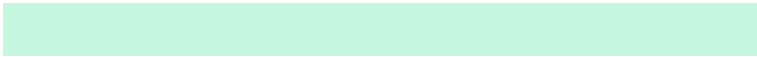
The Sweet Spot groups the original color and five complimentary colors.



66.4671, 71.4994, 98.2944



87.2994, 92.5248, 107.8656



69.6933, 83.7856, 81.3854



18.5120, 19.6353, 23.0642



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

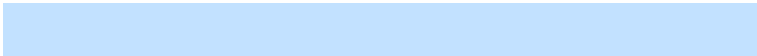


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4671, 71.4994, 98.2944



67.1795, 72.5282, 105.0663



60.4601, 59.4854, 96.2921



16.2803, 17.3248, 21.0285



12.9696, 11.7331, 48.1192



1.2428, 1.2370, 4.2635



# Inverse Universe

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



71.8729, 65.4918, 78.6683



74.0817, 65.1924, 79.9327



81.5636, 89.8758, 66.4767



16.8520, 16.6237, 18.9674



22.3510, 11.2838, 11.8226

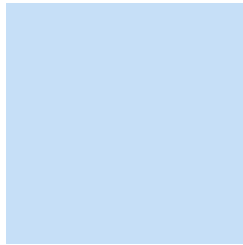


2.0164, 1.0125, 1.3125



# Previews

## White Background



This preview shows how the XYZ color 66.4649, 71.4965, 98.2928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

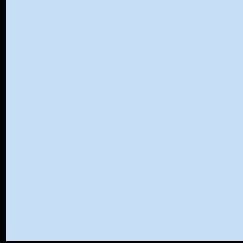
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4649, 71.4965, 98.2928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

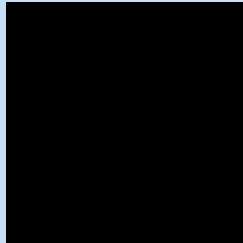
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

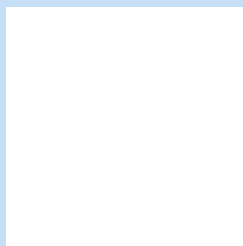
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.4649, 71.4965, 98.2928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.4649, 71.4965, 98.2928.



This preview shows how white text looks on a background with the XYZ color 66.4649, 71.4965,



# 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

66.4649, 71.4965, 98.2928

### Protanopia

69.7194, 71.2734, 95.6705

### Deuteranopia

72.8240, 71.2636, 99.5395



## Tritanopia

65.7086, 71.5924, 94.3599

# Trichromacy



## Original Color

66.4649, 71.4965, 98.2928

## Protanomaly

68.3691, 71.3343, 96.5517

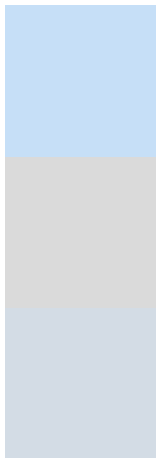
## Deuteranomaly

70.0750, 71.0019, 98.8183

## Tritanomaly

66.0107, 71.7133, 95.9509

# Monochromacy



## Original Color

66.4649, 71.4965, 98.2928

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.6000, 70.6924, 84.2635

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4649, 71.4965, 98.2928 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(198, 223, 247)` looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 247)  
}
```

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(198, 223, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4649, 71.4965, 98.2928 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(198, 223, 247) }
```



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

```
.border{ border-color:rgb(198, 223, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 223, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 223, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 223, 247);  
box-shadow:4px 4px 4px 4px rgb(198, 223,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4649, 71.4965, 98.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 247) }
```

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

```
.background{ background-color: rgb(198,  
223, 247) }
```

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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