

# Converting Colors

XYZ(66.9789, 70.7084,  
107.9456)

Have a look what the booklet for  
XYZ(66.9789, 70.7084, 107.9456)  
contains.

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# Color

**XYZ(66.4121, 70.5350,  
104.7221)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | C3DDFF                     |
| RGB         | 195, 221, 255              |
| RGB Percent | 76%, 87%, 100%             |
| CMY         | 0.2353, 0.1333, 0.0000     |
| CMYK        | 0.24, 0.13, 0.00, 0.00     |
| HSL         | 214°, 100%, 88%            |
| HSV         | 214°, 24%, 100%            |
| XYZ         | 66.4121, 70.5350, 104.7221 |
| YIQ         | 217.1020, -26.4100, 5.0620 |

# Conversions

## Conversions Part 2

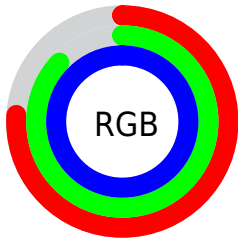
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 195, 213, 255                  |
| Decimal                             | 12836351                       |
| CIE Lab                             | 87.26, -1.40, -19.39           |
| CIE LCh                             | 87, 19.437, 265.879            |
| Yxy                                 | 70.5350, 0.2748,<br>0.2919     |
| Android<br>(android.graphics.Color) | 4291026431<br>(0xFFC3DDFF)     |
| YUV                                 | 217.1020, 18.6837,<br>-19.3835 |
| Hunter-Lab                          | 83.9851, -5.8232,<br>-15.1399  |

# Details

The XYZ color **66.4121, 70.5350, 104.7221** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.1095, 81.2379, 63.1424**, and the grayscale version is **65.9138, 69.3465, 75.5183**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **34.6445, 36.9251, 58.7274** is the 20% darker color. If you saturate the color by 10%, you get **56.7256, 60.1214, 103.2226**, and if you desaturate by 10%, it is **77.5559, 82.1908, 106.3845**.

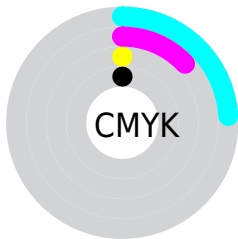
# Distribution



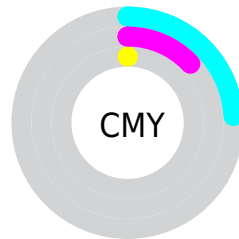
- Red (76%)
- Green (87%)
- Blue (100%)



- Red (76%)
- Yellow (84%)
- Blue (100%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4121, 70.5350, 104.7221 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 66.4121, 70.5350, 104.7221 by changing the saturation by 10% instead.



66.4121, 70.5350,  
104.7221

66.4121, 70.5350,  
104.7221

437.3147,  
462.4263, 596.6039

48.8760, 51.9628,  
79.6112

113.1321,  
119.9714, 169.7397

34.7352, 36.9754,  
58.8742

143.0466,  
151.6044, 210.4835

23.6245, 25.1885,  
42.0925

177.8179,  
188.3597, 257.2753

15.1786, 16.2175,  
28.8476

217.8115,  
230.6219, 310.5337

9.0319, 9.6782,  
18.7210

263.3926,  
278.7752, 370.6772

4.8193, 5.1861,  
11.2941

314.9266,

2.1753, 2.3569,

333.2041, 438.1244

6.1483

372.7788,  
394.2930, 513.2938

■ 0.7297, 0.8036,  
2.8652

■ 0.0000, 0.0000,  
1.0262

■ 66.4121, 70.5350,  
104.7221

■ 66.4121, 70.5350,  
104.7221

■ 56.7256, 60.1214,  
103.2226

■ 77.5559, 82.1908,  
106.3845

■ 48.4252, 50.8958,  
101.8793

■ 90.2122, 95.1237,  
108.2138

■ 41.4422, 42.8118,  
100.6870

■ 95.0500, 100.0000,  
108.9000

■ 35.6989, 35.8161,  
99.6394

■ 31.1090, 29.8504,  
98.7298

■ 27.5732, 24.8488,  
97.9508

■ 24.9724, 20.7347,  
97.2937

■ 23.6814, 18.4827,  
96.9271

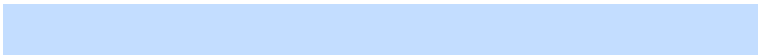
# Harmonies

## Analogous

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



62.2340, 70.5350, 99.5642



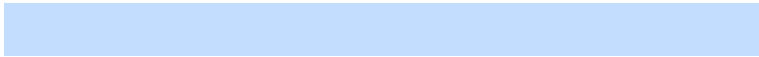
66.4121, 70.5350, 104.7221



70.9486, 70.5350, 101.7292

# Triad

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



66.4121, 70.5350, 104.7221



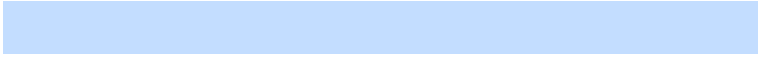
75.2586, 70.5350, 66.3362



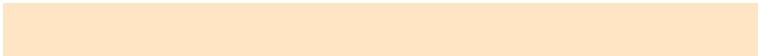
60.0297, 70.5350, 63.5364

# Complementary

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



66.4121, 70.5350, 104.7221



79.1095, 81.2379, 63.1424

# 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.



63.2804, 70.5350, 56.3184



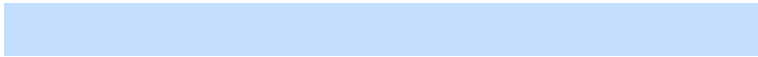
66.4121, 70.5350, 104.7221



72.0902, 70.5350, 57.8015

# Square

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



66.4121, 70.5350, 104.7221



76.1893, 70.5350, 78.6228



67.6747, 70.5350, 54.3436



58.6567, 70.5350, 75.0068



# Rectangle

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



66.4121, 70.5350, 104.7221



73.5465, 70.5350, 95.6780



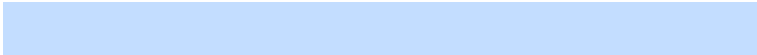
67.6747, 70.5350, 54.3436



60.9317, 70.5350, 60.5855

# Sweetspot

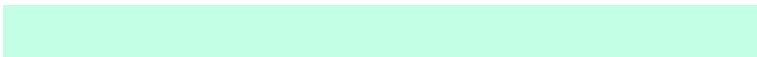
The Sweet Spot groups the original color and five complimentary colors.



66.4140, 70.5378, 104.7225



85.6430, 90.4861, 107.5594



72.2702, 88.7240, 86.7161



18.1652, 19.1986, 22.9982



0.0000, 0.0000, 0.0000

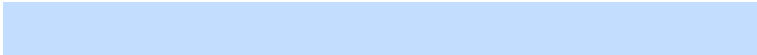


20.3446, 21.4041, 23.3091



# Same Dimension

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



66.4140, 70.5378, 104.7225



61.9058, 65.7297, 104.0321



60.8551, 58.2576, 102.6452



17.6505, 18.6726, 22.9238



12.5159, 9.9414, 50.6938



1.3248, 1.1803, 4.9713



# Inverse Universe

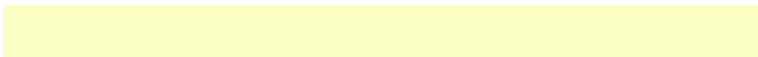
The Inverse Universe completely reimagines the original color for something new.



73.8075, 65.5122, 77.1648



70.5047, 60.2579, 71.8978



85.7556, 96.1557, 65.6715



18.3362, 18.1178, 20.3878



23.1057, 11.7316, 9.2068

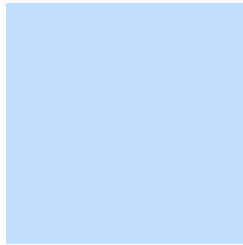


2.3033, 1.1637, 1.1786



# Previews

## White Background



This preview shows how the XYZ color 66.4121, 70.5350, 104.7221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

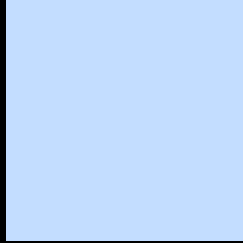
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4121, 70.5350, 104.7221 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

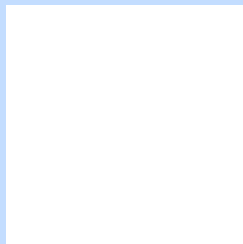
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.4121, 70.5350, 104.7221

## Background



This preview shows how black text looks on a background with the XYZ color 66.4121, 70.5350, 104.7221.



This preview shows how white text looks on a background with the XYZ color 66.4121, 70.5350,



# 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

66.4121, 70.5350, 104.7221

### Protanopia

69.2779, 70.1371, 101.9819

### Deuteranopia

71.6630, 70.1807, 104.3769



## Tritanopia

64.0031, 70.3327, 93.4213

# Trichromacy



## Original Color

66.4121, 70.5350, 104.7221

## Protanomaly

68.2546, 70.3565, 102.9113

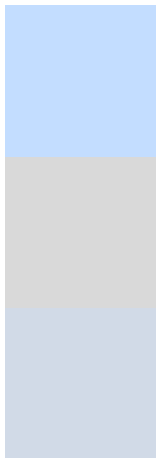
## Deuteranomaly

69.7572, 70.3288, 104.5060

## Tritanomaly

64.7481, 70.2338, 97.3327

# Monochromacy



## Original Color

66.4121, 70.5350, 104.7221

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

65.7897, 69.4676, 85.5424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4121, 70.5350, 104.7221 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(195, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 221, 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(195, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 221, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4121, 70.5350, 104.7221 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(195, 221, 255) }
```



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

```
.border{ border-color:rgb(195, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 221,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4121, 70.5350, 104.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 221, 255) }
```

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

```
.background{ background-color: rgb(195,  
221, 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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