

Converting Colors

XYZ(66.8369, 67.8252,
104.1766)

Have a look what the booklet for
XYZ(66.8369, 67.8252, 104.1766)
contains.

XYZ(66.7461, 67.6459, 104.1468)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.7461, 67.6459,
104.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD5FF
RGB	204, 213, 255
RGB Percent	80%, 84%, 100%
CMY	0.2000, 0.1647, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	229°, 100%, 90%
HSV	229°, 20%, 100%
XYZ	66.7461, 67.6459, 104.1468
YIQ	215.0970, -18.8460, 11.1540

Conversions

Conversions Part 2

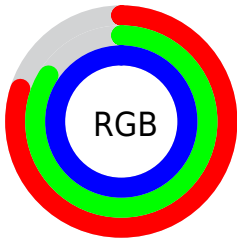
Format	Color
RYB	204, 212, 255
Decimal	13424127
CIELab	85.83, 5.51, -21.49
CIELCh	86, 22.184, 284.374
Yxy	67.6459, 0.2798, 0.2836
Android (android.graphics.Color)	4291614207 (0xFFCCD5FF)
YUV	215.0970, 19.6722, -9.7321
Hunter-Lab	82.2471, 0.9258, -17.5040

Details

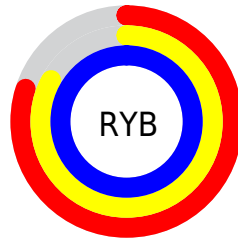
The XYZ color **66.7461, 67.6459, 104.1468** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.0946, 91.5301, 70.3106**, and the grayscale version is **64.5388, 67.8998, 73.9429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.8143, 34.9205, 58.3315** is the 20% darker color. If you saturate the color by 10%, you get **55.3766, 54.4464, 102.1983**, and if you desaturate by 10%, it is **79.9475, 82.8084, 106.3777**.

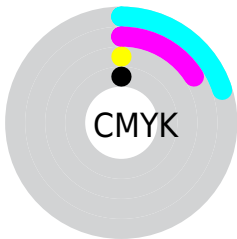
Distribution



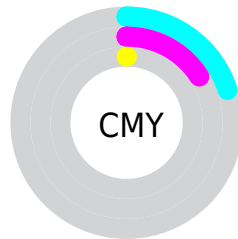
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (83%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7461, 67.6459, 104.1468 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 66.7461, 67.6459, 104.1468 by changing the saturation by 10% instead.

■ 66.7461, 67.6459,
104.1468

■ 66.7461, 67.6459,
104.1468

438.4872,
452.2404, 594.7673

■ 49.1483, 49.6097,
79.1321

113.6083,
115.8454, 168.9457

■ 34.9521, 35.1034,
58.4825

143.6034,
146.7776, 209.5669

■ 23.7923, 23.7425,
41.7794

178.4617,
182.7771, 256.2273

■ 15.3035, 15.1427,
28.6043

218.5484,
224.2285, 309.3456

■ 9.1204, 8.9196,
18.5387

264.2289,
271.5162, 369.3402

■ 4.8775, 4.6888,
11.1640

315.8687,

■ 2.2096, 2.0658,

325.0244, 436.6296

6.0617

373.8330,
385.1377, 511.6325

■ 0.7478, 0.6453,
2.8132

■ 0.0000, 0.0000,
1.0001

■ 66.7461, 67.6459,
104.1468

■ 66.7461, 67.6459,
104.1468

■ 55.3766, 54.4464,
102.1983

■ 79.9475, 82.8084,
106.3777

■ 45.7516, 43.1210,
100.5196

95.0500, 100.0000,
108.9000

■ 37.7851, 33.5860,
99.0990

■ 31.3813, 25.7479,
97.9236

■ 26.4343, 19.5045,
96.9793

■ 22.8245, 14.7422,
96.2503

■ 20.4124, 11.3311,
95.7190

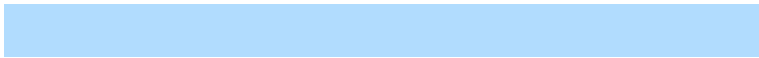
■ 18.9890, 9.0979,
95.3630

■ 18.9888, 9.0977,
95.3629

Harmonies

Analogous

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



61.7050, 67.6459, 103.9480



66.7461, 67.6459, 104.1468



71.3571, 67.6459, 95.4688

Triad

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



66.7461, 67.6459, 104.1468



71.5187, 67.6459, 55.8036



55.3563, 67.6459, 66.3874

Complementary

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



66.7461, 67.6459, 104.1468



85.0946, 91.5301, 70.3106

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.



57.7157, 67.6459, 55.4459



66.7461, 67.6459, 104.1468



66.9572, 67.6459, 49.9057

Square

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



66.7461, 67.6459, 104.1468



74.2091, 67.6459, 66.9387



61.9054, 67.6459, 49.7840



55.3064, 67.6459, 80.8059

Rectangle

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



66.7461, 67.6459, 104.1468



73.4921, 67.6459, 86.4022



61.9054, 67.6459, 49.7840



55.8998, 67.6459, 62.2274

Sweetspot

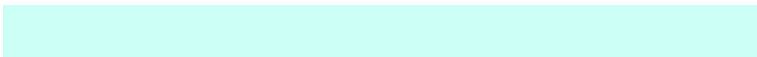
The Sweet Spot groups the original color and five complimentary colors.



66.7480, 67.6486, 104.1472



85.7549, 89.4359, 107.3508



77.2435, 90.9901, 100.3995



18.1476, 18.9065, 22.9428



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.



66.7480, 67.6486, 104.1472



61.9833, 62.1358, 103.3343



69.2047, 65.6464, 103.6313



17.2622, 17.8960, 22.7944



9.9967, 4.9029, 49.8541



1.0409, 0.6125, 4.8766

Inverse Universe

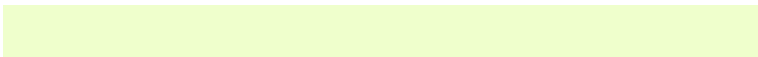
The Inverse Universe completely reimagines the original color for something new.



74.8443, 69.2514, 72.3760



71.4589, 64.1432, 66.1212



82.2057, 94.2045, 70.9790



18.1402, 18.0394, 19.3557



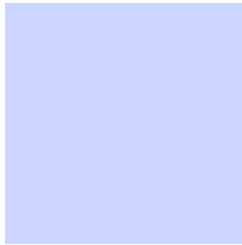
21.8341, 11.2229, 2.5107



2.1600, 1.1064, 0.4241

Previews

White Background



This preview shows how the XYZ color 66.7461, 67.6459, 104.1468 looks on a white background.

Color Contrast Check

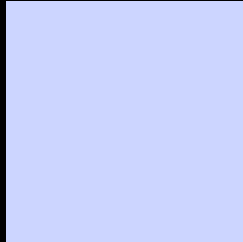
Large Text (above 18pt) WCAG AA × Fail

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 66.7461, 67.6459, 104.1468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

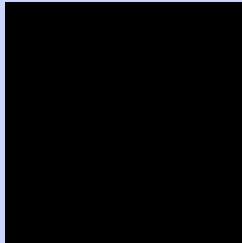
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7461, 67.6459, 104.1468

Background



This preview shows how black text looks on a background with the XYZ color 66.7461, 67.6459, 104.1468.



This preview shows how white text looks on a background with the XYZ color 66.7461, 67.6459,

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

66.7461, 67.6459, 104.1468

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

69.1209, 67.7603, 104.0437



Tritanopia

63.4836, 67.8456, 87.5915

Trichromacy



Original Color

66.7461, 67.6459, 104.1468

Protanomaly

67.0211, 67.7876, 104.1597

Deuteranomaly

68.2082, 67.6574, 104.0720

Tritanomaly

64.6703, 67.9400, 93.7097

Monochromacy



Original Color

66.7461, 67.6459, 104.1468

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.1935, 67.6552, 84.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7461, 67.6459, 104.1468 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(204, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.7461, 67.6459, 104.1468 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(204, 213, 255) }
```


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

```
.border{ border-color:rgb(204, 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(204, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7461, 67.6459, 104.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 213, 255) }
```

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

```
.background{ background-color: rgb(204,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor