

Converting Colors

XYZ(66.9184, 67.9905,
104.2042)

Have a look what the booklet for
XYZ(66.9184, 67.9905, 104.2042)
contains.

XYZ(66.9984, 68.1505, 104.2309)	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(66.9984, 68.1505,
104.2309)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD6FF
RGB	204, 214, 255
RGB Percent	80%, 84%, 100%
CMY	0.2000, 0.1608, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	228°, 100%, 90%
HSV	228°, 20%, 100%
XYZ	66.9984, 68.1505, 104.2309
YIQ	215.6840, -19.1210, 10.6310

Conversions

Conversions Part 2

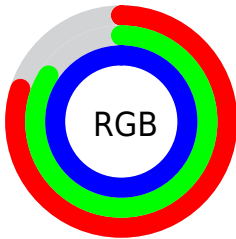
Format	Color
R_{YB}	204, 212, 255
Decimal	13424383
CIE _{Lab}	86.08, 4.98, -21.11
CIE _{LCh}	86, 21.686, 283.270
Yxy	68.1505, 0.2799, 0.2847
Android (android.graphics.Color)	4291614463 (0xFFCCD6FF)
YUV	215.6840, 19.3828, -10.2469
Hunter-Lab	82.5533, 0.3983, -17.0716

Details

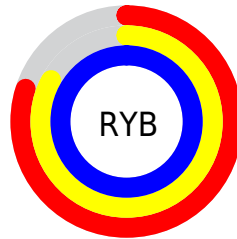
The XYZ color **66.9984, 68.1505, 104.2309** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.7913, 90.9235, 70.2095**, and the grayscale version is **64.9386, 68.3205, 74.4010**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9856, 35.2631, 58.3886** is the 20% darker color. If you saturate the color by 10%, you get **55.7076, 55.1085, 102.3086**, and if you desaturate by 10%, it is **80.0901, 83.0935, 106.4252**.

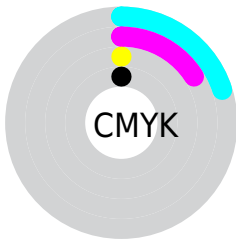
Distribution



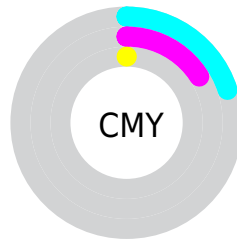
- Red (80%)
- Green (84%)
- Blue (100%)



- 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 66.9984, 68.1505, 104.2309 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 66.9984, 68.1505, 104.2309 by changing the saturation by 10% instead.

■ 66.9984, 68.1505,
104.2309

■ 66.9984, 68.1505,
104.2309

439.3716,
454.0291, 595.0360

■ 49.3540, 50.0202,
79.2021

113.9679,
116.5674, 169.0618

■ 35.1161, 35.4294,
58.5397

144.0238,
147.6228, 209.7009

■ 23.9192, 23.9939,
41.8251

178.9475,
183.7553, 256.3806

■ 15.3981, 15.3291,
28.6398

219.1045,
225.3494, 309.5194

■ 9.1874, 9.0507,
18.5653

264.8600,
272.7894, 369.5357

■ 4.9217, 4.7742,
11.1830

316.5795,

■ 2.2357, 2.1154,

326.4598, 436.8483

6.0743

374.6282,
386.7449, 511.8755

■ 0.7614, 0.6733,
2.8208

■ 0.0000, 0.0000,
1.0039

■ 66.9984, 68.1505,
104.2309

■ 66.9984, 68.1505,
104.2309

■ 55.7076, 55.1085,
102.3086

■ 80.0901, 83.0935,
106.4252

■ 46.1323, 43.8824,
100.6465

95.0500, 100.0000,
108.9000

■ 38.1883, 34.3925,
99.2334

■ 31.7823, 26.5500,
98.0573

■ 26.8109, 20.2578,
97.1048

■ 23.1575, 15.4080,
96.3613

■ 20.6858, 11.8779,
95.8101

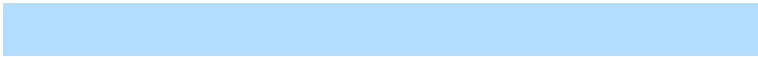
■ 19.1912, 9.5024,
95.4304

■ 19.1911, 9.5022,
95.4304

Harmonies

Analogous

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



62.0569, 68.1505, 103.6942



66.9984, 68.1505, 104.2309



71.5641, 68.1505, 96.0219

Triad

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



66.9984, 68.1505, 104.2309



72.0020, 68.1505, 56.9464



56.0290, 68.1505, 66.5852

Complementary

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



66.9984, 68.1505, 104.2309



84.7913, 90.9235, 70.2095

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.



58.4295, 68.1505, 55.9704



66.9984, 68.1505, 104.2309



67.5713, 68.1505, 50.9137

Square

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



66.9984, 68.1505, 104.2309



74.5511, 68.1505, 68.0846



62.6014, 68.1505, 50.5810



55.8932, 68.1505, 80.6802

Rectangle

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



66.9984, 68.1505, 104.2309



73.7111, 68.1505, 87.2380



62.6014, 68.1505, 50.5810



56.5920, 68.1505, 62.5381

Sweetspot

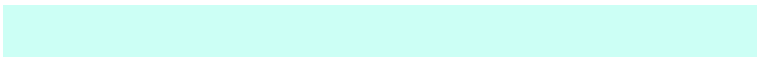
The Sweet Spot groups the original color and five complimentary colors.



67.0003, 68.1532, 104.2313



85.8445, 89.6150, 107.3807



77.1136, 90.9381, 99.7151



18.1687, 18.9487, 22.9498



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.



67.0003, 68.1532, 104.2313



62.2707, 62.7106, 103.4301



68.9478, 65.5140, 103.6193



17.2914, 17.9543, 22.8041



10.1090, 5.1276, 49.8915



1.0560, 0.6426, 4.8817

Inverse Universe

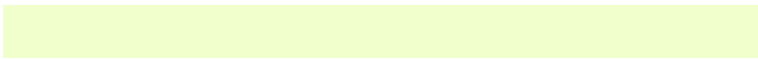
The Inverse Universe completely reimagines the original color for something new.



74.9717, 69.3023, 73.0466



71.6039, 64.2013, 66.8852



82.4931, 94.3527, 70.9925



18.1550, 18.0453, 19.4332



21.8908, 11.2456, 2.8093



2.1676, 1.1094, 0.4641

Previews

White Background



This preview shows how the XYZ color 66.9984, 68.1505, 104.2309 looks on a white background.

Color Contrast Check

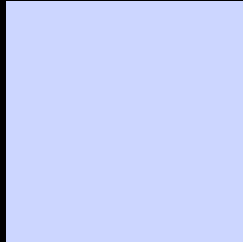
Large Text (above 18pt) WCAG AA × Fail

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 66.9984, 68.1505, 104.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

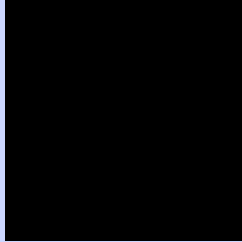
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9984, 68.1505, 104.2309

Background



This preview shows how black text looks on a background with the XYZ color 66.9984, 68.1505, 104.2309.

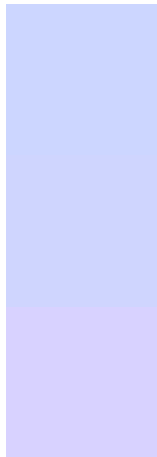


This preview shows how white text looks on a background with the XYZ color 66.9984, 68.1505,

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

66.9984, 68.1505, 104.2309

Protanopia

67.4158, 68.0097, 103.3399

Deuteranopia

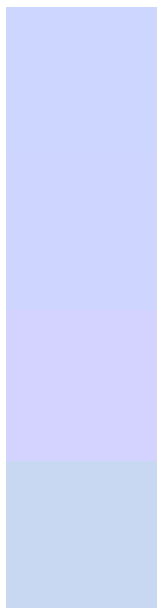
69.4155, 67.9121, 104.0575



Tritanopia

63.6277, 67.9032, 88.3504

Trichromacy



Original Color

66.9984, 68.1505, 104.2309

Protanomaly

67.1372, 67.8661, 103.3269

Deuteranomaly

68.4956, 67.8056, 104.0854

Tritanomaly

64.6703, 67.9400, 93.7097

Monochromacy



Original Color

66.9984, 68.1505, 104.2309

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.7347, 68.3111, 84.5837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9984, 68.1505, 104.2309 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.9984, 68.1505, 104.2309 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, 214, 255) }
```


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

```
.border{ border-color:rgb(204, 214, 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, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9984, 68.1505, 104.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 214, 255) }
```

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

```
.background{ background-color: rgb(204,  
214, 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