

Converting Colors

XYZ(66.4456, 69.0863,
104.4407)

Have a look what the booklet for
XYZ(66.4456, 69.0863, 104.4407)
contains.

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Color

**XYZ(66.4160, 68.9878,
104.4232)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D9FF
RGB	199, 217, 255
RGB Percent	78%, 85%, 100%
CMY	0.2196, 0.1490, 0.0000
CMYK	0.22, 0.15, 0.00, 0.00
HSL	221°, 100%, 89%
HSV	221°, 22%, 100%
XYZ	66.4160, 68.9878, 104.4232
YIQ	215.9500, -22.9260, 8.0020

Conversions

Conversions Part 2

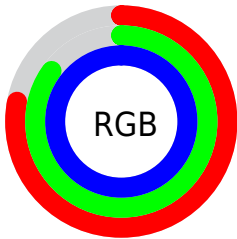
Format	Color
R _Y B	199, 213, 255
Decimal	13097471
CIE Lab	86.50, 1.89, -20.51
CIE LCh	86, 20.597, 275.265
Yxy	68.9878, 0.2769, 0.2877
Android (android.graphics.Color)	4291287551 (0xFFC7D9FF)
YUV	215.9500, 19.2517, -14.8651
Hunter-Lab	83.0589, -2.6199, -16.3993

Details

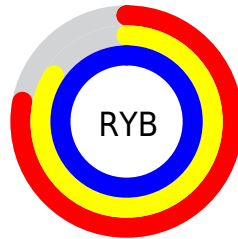
The XYZ color **66.4160, 68.9878, 104.4232** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.8328, 85.9510, 66.3116**, and the grayscale version is **65.1221, 68.5135, 74.6112**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6150, 35.8472, 58.5209** is the 20% darker color. If you saturate the color by 10%, you get **55.9803, 57.3324, 102.7235**, and if you desaturate by 10%, it is **78.4568, 82.1683, 106.3327**.

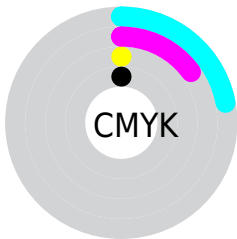
Distribution



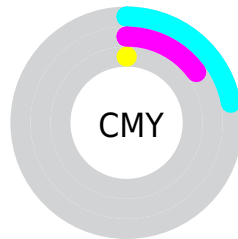
- Red (78%)
- Green (85%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4160, 68.9878, 104.4232 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 66.4160, 68.9878, 104.4232 by changing the saturation by 10% instead.

■ 66.4160, 68.9878,
104.4232

■ 66.4160, 68.9878,
104.4232

437.3284,
456.9879, 595.6500

■ 48.8791, 50.7018,
79.3623

113.1376,
117.7641, 169.3272

■ 34.7377, 35.9713,
58.6706

143.0531,
149.0233, 210.0073

■ 23.6265, 24.4120,
41.9298

177.8255,
185.3755, 256.7309

■ 15.1800, 15.6396,
28.7211

217.8201,
227.2053, 309.9166

■ 9.0330, 9.2695,
18.6262

263.4023,
274.8971, 369.9828

■ 4.8200, 4.9174,
11.2264

314.9376,

■ 2.1757, 2.1989,

328.8352, 437.3480

6.1033

372.7911,
389.4040, 512.4310

■ 0.7299, 0.7194,
2.8382

■ 0.0000, 0.0000,
1.0126

■ 66.4160, 68.9878,
104.4232

■ 66.4160, 68.9878,
104.4232

■ 55.9803, 57.3324,
102.7235

■ 78.4568, 82.1683,
106.3327

■ 47.0732, 47.1360,
101.2249

■ 92.1631, 96.9201,
108.4577

■ 39.6201, 38.3398,
99.9199

■ 95.0500, 100.0000,
108.9000

■ 33.5378, 30.8771,
98.8000

■ 28.7339, 24.6753,
97.8561

■ 25.1032, 19.6537,
97.0782

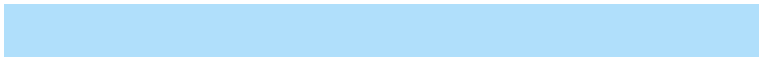
■ 22.5215, 15.7194,
96.4549

■ 21.0655, 13.2510,
96.0552

Harmonies

Analogous

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



61.8079, 68.9878, 101.5858



66.4160, 68.9878, 104.4232



71.0096, 68.9878, 98.6667

Triad

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



66.4160, 68.9878, 104.4232



73.3475, 68.9878, 60.9492



57.5890, 68.9878, 64.6534

Complementary

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



66.4160, 68.9878, 104.4232



81.8328, 85.9510, 66.3116

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.



60.4171, 68.9878, 55.6469



66.4160, 68.9878, 104.4232



69.4835, 68.9878, 53.6969

Square

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



66.4160, 68.9878, 104.4232



75.1337, 68.9878, 72.7315



64.7329, 68.9878, 51.8798



56.8559, 68.9878, 77.5520

Rectangle

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



66.4160, 68.9878, 104.4232



73.4000, 68.9878, 91.0972



64.7329, 68.9878, 51.8798



58.3192, 68.9878, 61.1225

Sweetspot

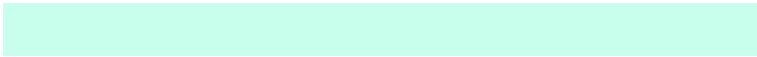
The Sweet Spot groups the original color and five complimentary colors.



66.4179, 68.9905, 104.4236



85.0423, 89.2847, 107.3592



74.5029, 89.7381, 93.0062



18.0263, 18.9208, 22.9519



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.



66.4179, 68.9905, 104.4236



62.0119, 64.1005, 103.7120



64.5809, 61.5267, 103.0798



17.4797, 18.3310, 22.8669



11.1261, 7.1618, 50.2305



1.1773, 0.8853, 4.9221

Inverse Universe

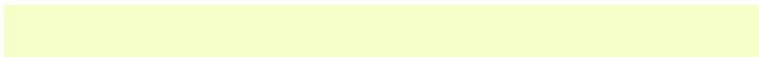
The Inverse Universe completely reimagines the original color for something new.



74.1890, 67.1181, 74.6936



71.0077, 62.1801, 69.2413



83.9585, 95.1763, 67.9803



18.2500, 18.0833, 19.9337



22.4041, 11.4510, 5.5127



2.2288, 1.1339, 0.7865

Previews

White Background



This preview shows how the XYZ color 66.4160, 68.9878, 104.4232 looks on a white background.

Color Contrast Check

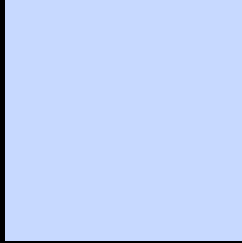
Large Text (above 18pt) WCAG AA × Fail

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 66.4160, 68.9878, 104.4232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

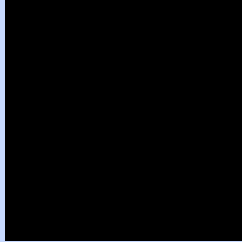
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

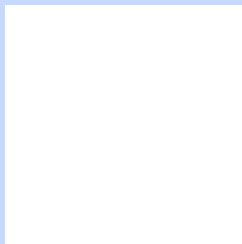
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4160, 68.9878, 104.4232

Background



This preview shows how black text looks on a background with the XYZ color 66.4160, 68.9878, 104.4232.



This preview shows how white text looks on a background with the XYZ color 66.4160, 68.9878,

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

66.4160, 68.9878, 104.4232

Protanopia

68.0707, 68.7403, 102.6090

Deuteranopia

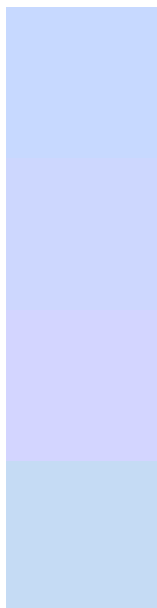
70.2577, 68.7140, 104.1679



Tritanopia

63.6442, 69.0366, 90.0917

Trichromacy



Original Color

66.4160, 68.9878, 104.4232

Protanomaly

67.3667, 68.7358, 103.4827

Deuteranomaly

68.7082, 68.6574, 104.2386

Tritanomaly

64.6866, 69.0650, 95.5095

Monochromacy



Original Color

66.4160, 68.9878, 104.4232

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.4171, 68.5265, 84.6420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4160, 68.9878, 104.4232 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(199, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 217, 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(199, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4160, 68.9878, 104.4232 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(199, 217, 255) }
```


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

```
.border{ border-color:rgb(199, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4160, 68.9878, 104.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 217, 255) }
```

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

```
.background{ background-color: rgb(199,  
217, 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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