

Converting Colors

XYZ(68.2683, 69.6490,
104.4532)

Have a look what the booklet for
XYZ(68.2683, 69.6490, 104.4532)
contains.

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Color

**XYZ(68.3380, 69.5971,
104.4395)**

Conversions

Conversions Part 1

Format	Color
Hex	CFD8FF
RGB	207, 216, 255
RGB Percent	81%, 85%, 100%
CMY	0.1882, 0.1529, 0.0000
CMYK	0.19, 0.15, 0.00, 0.00
HSL	229°, 100%, 91%
HSV	229°, 19%, 100%
XYZ	68.3380, 69.5971, 104.4395
YIQ	217.7550, -17.8830, 10.2210

Conversions

Conversions Part 2

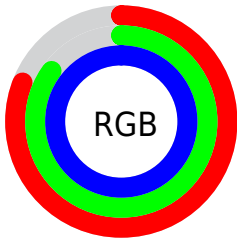
Format	Color
R _Y B	207, 215, 255
Decimal	13621503
CIE Lab	86.80, 4.83, -20.00
CIE LCh	87, 20.578, 283.583
Yxy	69.5971, 0.2820, 0.2871
Android (android.graphics.Color)	4291811583 (0xFFCFD8FF)
YUV	217.7550, 18.3618, -9.4321
Hunter-Lab	83.4249, 0.2258, -15.8277

Details

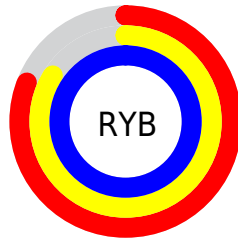
The XYZ color **68.3380, 69.5971, 104.4395** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.4581, 91.6756, 72.2243**, and the grayscale version is **66.3599, 69.8158, 76.0294**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8868, 36.2424, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **56.8037, 56.2636, 102.4738**, and if you desaturate by 10%, it is **81.6959, 84.8676, 106.6830**.

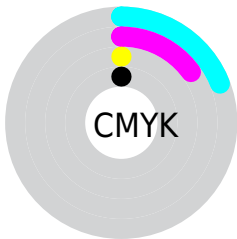
Distribution



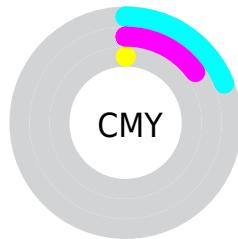
- Red (81%)
- Green (85%)
- Blue (100%)



- Red (81%)
- Yellow (84%)
- Blue (100%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3380, 69.5971, 104.4395 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 68.3380, 69.5971, 104.4395 by changing the saturation by 10% instead.

68.3380, 69.5971,
104.4395

68.3380, 69.5971,
104.4395

444.0506,
459.1341, 595.7021

50.4474, 51.1981,
79.3758

115.8748,
118.6340, 169.3497

35.9883, 36.3663,
58.6817

146.2518,
150.0408, 210.0333

24.5952, 24.7172,
41.9386

181.5215,
186.5522, 256.7606

15.9029, 15.8665,
28.7280

222.0495,
228.5528, 309.9502

9.5459, 9.4297,
18.6314

268.2011,
276.4269, 370.0206

5.1588, 5.0225,
11.2301

320.3415,

2.3765, 2.2605,

330.5588, 437.3904

6.1057

378.8363,
391.3331, 512.4780

■ 0.8334, 0.7527,
2.8396

■ 0.0000, 0.0000,
1.0133

■ 68.3380, 69.5971,
104.4395

■ 68.3380, 69.5971,
104.4395

■ 56.8037, 56.2636,
102.4738

■ 81.6959, 84.8676,
106.6830

■ 47.0071, 44.7808,
100.7738

95.0500, 100.0000,
108.9000

■ 38.8644, 35.0680,
99.3282

■ 32.2820, 27.0353,
98.1246

■ 27.1567, 20.5845,
97.1496

■ 23.3726, 15.6066,
96.3883

■ 20.7948, 11.9782,
95.8238

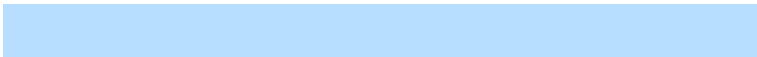
■ 19.2395, 9.5432,
95.4357

■ 19.0998, 9.3196,
95.3999

Harmonies

Analogous

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



63.5792, 69.5971, 104.0215



68.3380, 69.5971, 104.4395



72.7091, 69.5971, 96.5518

Triad

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



68.3380, 69.5971, 104.4395



73.0530, 69.5971, 59.0009



57.6976, 69.5971, 68.5617

Complementary

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



68.3380, 69.5971, 104.4395



85.4581, 91.6756, 72.2243

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.



59.9977, 69.5971, 58.2230



68.3380, 69.5971, 104.4395



68.7890, 69.5971, 53.1764

Square

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



68.3380, 69.5971, 104.4395



75.5187, 69.5971, 69.7483



64.0091, 69.5971, 52.9100



57.5900, 69.5971, 82.1485

Rectangle

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



68.3380, 69.5971, 104.4395



74.7516, 69.5971, 88.1393



64.0091, 69.5971, 52.9100



58.2348, 69.5971, 64.6326

Sweetspot

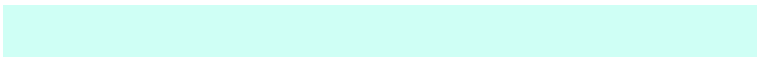
The Sweet Spot groups the original color and five complimentary colors.



68.3399, 69.5999, 104.4400



85.8053, 89.5366, 107.3676



78.0356, 91.4029, 100.2368



18.1594, 18.9302, 22.9467



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.



68.3399, 69.5999, 104.4400



63.3037, 63.7980, 103.5855



70.3048, 67.2823, 103.8891



17.2786, 17.9288, 22.7999



10.0584, 5.0264, 49.8746



1.0493, 0.6292, 4.8794

Inverse Universe

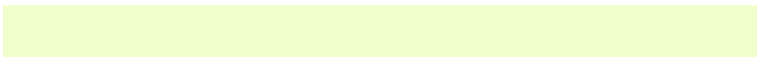
The Inverse Universe completely reimagines the original color for something new.



75.9488, 70.8451, 74.6404



72.3643, 65.4201, 68.0692



83.1623, 94.6557, 72.9205



18.1485, 18.0427, 19.3993



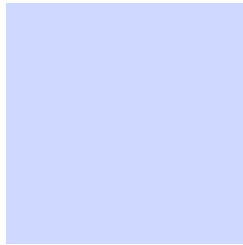
21.8652, 11.2354, 2.6748



2.1642, 1.1081, 0.4462

Previews

White Background



This preview shows how the XYZ color 68.3380, 69.5971, 104.4395 looks on a white background.

Color Contrast Check

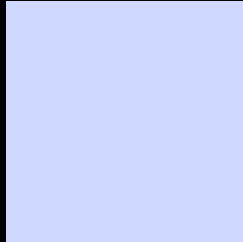
Large Text (above 18pt) WCAG AA × Fail

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 68.3380, 69.5971, 104.4395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

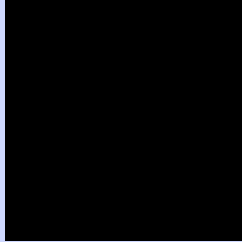
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3380, 69.5971, 104.4395

Background



This preview shows how black text looks on a background with the XYZ color 68.3380, 69.5971, 104.4395.

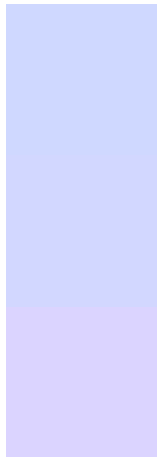


This preview shows how white text looks on a background with the XYZ color 68.3380, 69.5971,

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

68.3380, 69.5971, 104.4395

Protanopia

68.9288, 69.5225, 104.3940

Deuteranopia

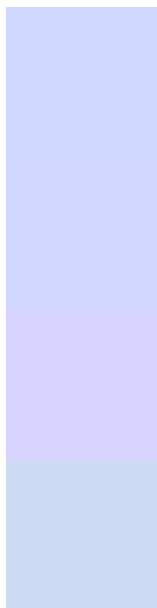
70.8069, 69.3670, 104.2650



Tritanopia

65.5194, 69.6148, 90.1045

Trichromacy



Original Color

68.3380, 69.5971, 104.4395

Protanomaly

68.6449, 69.3762, 104.3807

Deuteranomaly

69.8686, 69.2556, 104.2929

Tritanomaly

66.5774, 69.6536, 95.5234

Monochromacy



Original Color

68.3380, 69.5971, 104.4395

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.9682, 69.6914, 85.5235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3380, 69.5971, 104.4395 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(207, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 216, 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(207, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.3380, 69.5971, 104.4395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

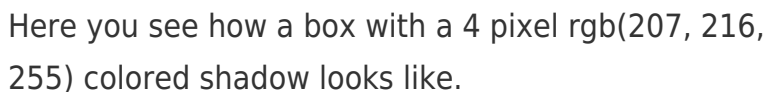
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 216, 255) }
```


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

```
.border{ border-color:rgb(207, 216, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3380, 69.5971, 104.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 216, 255) }
```

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

```
.background{ background-color: rgb(207,  
216, 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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