

Converting Colors

XYZ(76.4709, 73.8046,
144.1816)

Have a look what the booklet for
XYZ(76.4709, 73.8046, 144.1816)
contains.

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Color

**XYZ(68.8535, 70.6282,
104.6114)**

Conversions

Conversions Part 1

Format	Color
Hex	CFDAFF
RGB	207, 218, 255
RGB Percent	81%, 85%, 100%
CMY	0.1882, 0.1451, 0.0000
CMYK	0.19, 0.15, 0.00, 0.00
HSL	226°, 100%, 91%
HSV	226°, 19%, 100%
XYZ	68.8535, 70.6282, 104.6114
YIQ	218.9290, -18.4330, 9.1750

Conversions

Conversions Part 2

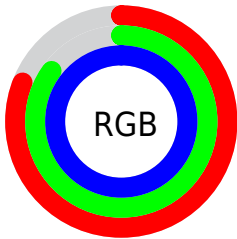
Format	Color
R _Y B	207, 216, 255
Decimal	13622015
CIE Lab	87.30, 3.78, -19.24
CIE LCh	87, 19.607, 281.111
Yxy	70.6282, 0.2821, 0.2893
Android (android.graphics.Color)	4291812095 (0xFFCFDAFF)
YUV	218.9290, 17.7830, -10.4617
Hunter-Lab	84.0406, -0.8280, -14.9741

Details

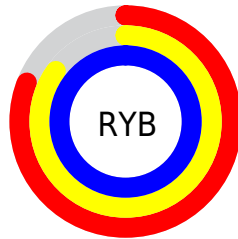
The XYZ color **68.8535, 70.6282, 104.6114** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.8528, 90.4652, 72.0224**, and the grayscale version is **67.1742, 70.6725, 76.9623**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2391, 36.9470, 58.6476** is the 20% darker color. If you saturate the color by 10%, you get **57.4983, 57.6529, 102.7054**, and if you desaturate by 10%, it is **81.9676, 85.4110, 106.7736**.

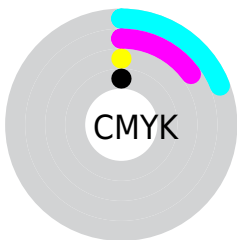
Distribution



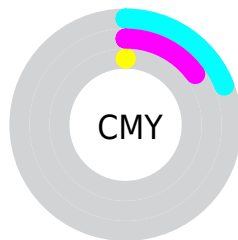
- Red (81%)
- Green (85%)
- Blue (100%)



- Red (81%)
- Yellow (85%)
- 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 68.8535, 70.6282, 104.6114 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 68.8535, 70.6282, 104.6114 by changing the saturation by 10% instead.

■ 68.8535, 70.6282,
104.6114

■ 68.8535, 70.6282,
104.6114

445.8436,
462.7527, 596.2507

■ 50.8686, 52.0388,
79.5190

116.6075,
120.1042, 169.5869

■ 36.3247, 37.0360,
58.7988

147.1074,
151.7596, 210.3072

■ 24.8563, 25.2354,
42.0322

182.5096,
188.5391, 257.0737

■ 16.0982, 16.2525,
28.8008

223.1795,
230.8272, 310.3052

■ 9.6850, 9.7030,
18.6859

269.4825,
279.0082, 370.4201

■ 5.2512, 5.2025,
11.2690

321.7840,

■ 2.4317, 2.3666,

333.4665, 437.8369

6.1316

380.4492,
394.5865, 512.9743

■ 0.8609, 0.8086,
2.8552

■ 0.0000, 0.0000,
1.0212

■ 68.8535, 70.6282,
104.6114

■ 68.8535, 70.6282,
104.6114

■ 57.4983, 57.6529,
102.7054

■ 81.9676, 85.4110,
106.7736

■ 47.8198, 46.4063,
101.0447

95.0500, 100.0000,
108.9000

■ 39.7383, 36.8158,
99.6195

■ 33.1645, 28.8005,
98.4188

■ 28.0005, 22.2722,
97.4309

■ 24.1359, 17.1333,
96.6427

■ 21.4423, 13.2732,
96.0396

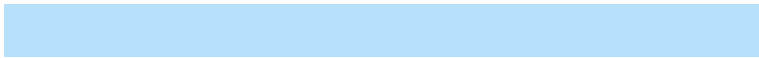
■ 19.7439, 10.5520,
95.6039

■ 19.5860, 10.2919,
95.5620

Harmonies

Analogous

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



64.3000, 70.6282, 103.5207



68.8535, 70.6282, 104.6114



73.1312, 70.6282, 97.6676

Triad

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



68.8535, 70.6282, 104.6114



74.0353, 70.6282, 61.3827



59.0845, 70.6282, 68.9700

Complementary

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



68.8535, 70.6282, 104.6114



84.8528, 90.4652, 72.0224

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.



61.4664, 70.6282, 59.3106



68.8535, 70.6282, 104.6114



70.0418, 70.6282, 55.2890

Square

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



68.8535, 70.6282, 104.6114



76.2129, 70.6282, 72.1108



65.4355, 70.6282, 54.5765



58.7990, 70.6282, 81.9010

Rectangle

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



68.8535, 70.6282, 104.6114



75.1974, 70.6282, 89.8355



65.4355, 70.6282, 54.5765



59.6612, 70.6282, 65.2737

Sweetspot

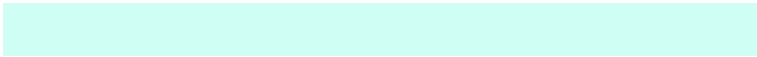
The Sweet Spot groups the original color and five complimentary colors.



68.8554, 70.6310, 104.6118



85.9960, 89.9180, 107.4312



77.7917, 91.3053, 98.9529



18.2044, 19.0201, 22.9617



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.



68.8554, 70.6310, 104.6118



63.9019, 64.9943, 103.7849



69.8187, 67.0316, 103.8663



17.3408, 18.0532, 22.8206



10.3262, 5.5620, 49.9639



1.0837, 0.6981, 4.8909

Inverse Universe

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



76.2089, 70.9491, 76.0108



72.6662, 65.5408, 69.6590



83.7097, 94.9379, 72.9460



18.1799, 18.0553, 19.5645



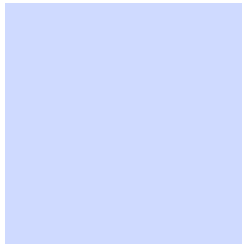
22.0004, 11.2894, 3.3866



2.1816, 1.1150, 0.5378

Previews

White Background



This preview shows how the XYZ color 68.8535, 70.6282, 104.6114 looks on a white background.

Color Contrast Check

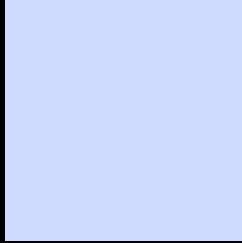
Large Text (above 18pt) WCAG AA × Fail

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 68.8535, 70.6282, 104.6114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

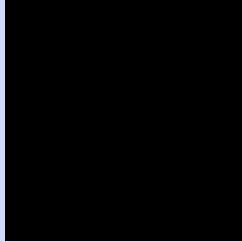
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8535, 70.6282, 104.6114

Background



This preview shows how black text looks on a background with the XYZ color 68.8535, 70.6282, 104.6114.

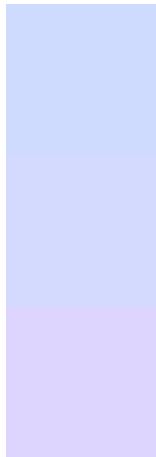


This preview shows how white text looks on a background with the XYZ color 68.8535, 70.6282,

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

68.8535, 70.6282, 104.6114

Protanopia

69.8536, 70.7785, 103.7459

Deuteranopia

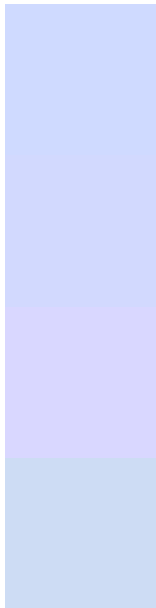
71.9685, 70.3381, 104.3912



Tritanopia

66.1909, 70.7233, 91.0513

Trichromacy



Original Color

68.8535, 70.6282, 104.6114

Protanomaly

69.2806, 70.4831, 103.7191

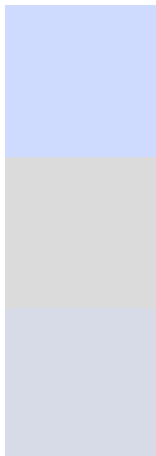
Deuteranomaly

70.9657, 70.5726, 104.4893

Tritanomaly

67.0992, 70.6972, 95.6974

Monochromacy



Original Color

68.8535, 70.6282, 104.6114

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.9213, 70.9363, 86.4562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8535, 70.6282, 104.6114 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 218, 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, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8535, 70.6282, 104.6114 is called "border". The border property can be set on classes, ids or directly on the HTML element.

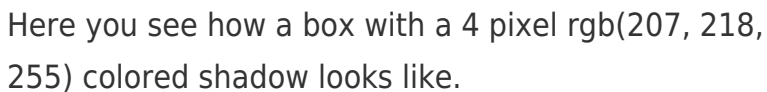
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 218, 255) }
```


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

```
.border{ border-color:rgb(207, 218, 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, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8535, 70.6282, 104.6114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 218, 255) }
```

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

```
.background{ background-color: rgb(207,  
218, 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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