

Converting Colors

XYZ(75.3628, 73.2775,
140.6941)

Have a look what the booklet for
XYZ(75.3628, 73.2775, 140.6941)
contains.

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Color

**XYZ(68.5750, 70.4846,
104.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDAFF
RGB	206, 218, 255
RGB Percent	81%, 85%, 100%
CMY	0.1921, 0.1451, 0.0000
CMYK	0.19, 0.15, 0.00, 0.00
HSL	225°, 100%, 90%
HSV	225°, 19%, 100%
XYZ	68.5750, 70.4846, 104.5983
YIQ	218.6300, -19.0290, 8.9630

Conversions

Conversions Part 2

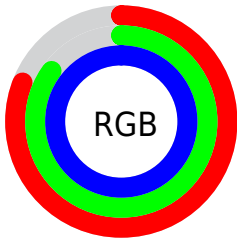
Format	Color
R _Y B	206, 216, 255
Decimal	13556479
CIE Lab	87.23, 3.47, -19.35
CIE LCh	87, 19.661, 280.178
Yxy	70.4846, 0.2814, 0.2893
Android (android.graphics.Color)	4291746559 (0xFFCEDAFF)
YUV	218.6300, 17.9304, -11.0765
Hunter-Lab	83.9551, -1.1216, -15.0999

Details

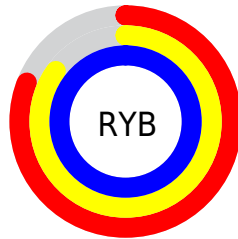
The XYZ color **68.5750, 70.4846, 104.5983** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.4309, 89.8164, 71.2806**, and the grayscale version is **66.9666, 70.4541, 76.7245**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0527, 36.8509, 58.6388** is the 20% darker color. If you saturate the color by 10%, you get **57.3558, 57.7160, 102.7251**, and if you desaturate by 10%, it is **81.5266, 85.0108, 106.7196**.

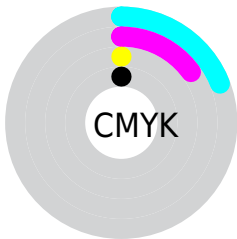
Distribution



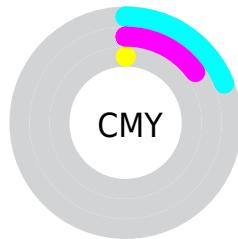
- Red (81%)
- Green (85%)
- Blue (100%)



- 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 68.5750, 70.4846, 104.5983 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 68.5750, 70.4846, 104.5983 by changing the saturation by 10% instead.

■ 68.5750, 70.4846,
104.5983

■ 68.5750, 70.4846,
104.5983

444.8754,
462.2497, 596.2089

■ 50.6410, 51.9217,
79.5081

116.2117,
119.8996, 169.5689

■ 36.1429, 36.9427,
58.7899

146.6452,
151.5204, 210.2863

■ 24.7152, 25.1631,
42.0251

181.9760,
188.2627, 257.0499

■ 15.9926, 16.1986,
28.7952

222.5693,
230.5109, 310.2781

■ 9.6097, 9.6648,
18.6817

268.7905,
278.6492, 370.3896

■ 5.2012, 5.1773,
11.2660

321.0051,

■ 2.4018, 2.3517,

333.0622, 437.8029

6.1297

379.5782,
394.1343, 512.9365

■ 0.8460, 0.8008,
2.8540

■ 0.0000, 0.0000,
1.0206

■ 68.5750, 70.4846,
104.5983

■ 68.5750, 70.4846,
104.5983

■ 57.3558, 57.7160,
102.7251

■ 81.5266, 85.0108,
106.7196

■ 47.7880, 46.6286,
101.0893

95.0500, 100.0000,
108.9000

■ 39.7928, 37.1526,
99.6816

■ 33.2826, 29.2099,
98.4916

■ 28.1604, 22.7153,
97.5080

■ 24.3172, 17.5747,
96.7183

■ 21.6261, 13.6814,
96.1087

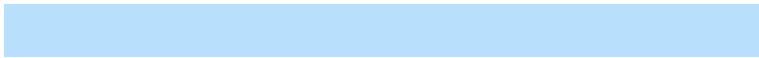
■ 19.9070, 10.8968,
95.6618

■ 19.7979, 10.7157,
95.6326

Harmonies

Analogous

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



64.0271, 70.4846, 103.2438



68.5750, 70.4846, 104.5983



72.8876, 70.4846, 97.8634

Triad

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



68.5750, 70.4846, 104.5983



74.0101, 70.4846, 61.4791



58.9818, 70.4846, 68.4406

Complementary

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



68.5750, 70.4846, 104.5983



84.4309, 89.8164, 71.2806

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.



61.4260, 70.4846, 58.9080



68.5750, 70.4846, 104.5983



70.0501, 70.4846, 55.2202

Square

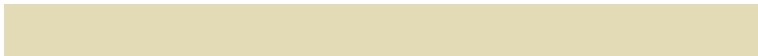
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5750, 70.4846, 104.5983



76.1197, 70.4846, 72.3388



65.4365, 70.4846, 54.3364



58.6276, 70.4846, 81.3282

Rectangle

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



68.5750, 70.4846, 104.5983



74.9969, 70.4846, 90.1010



65.4365, 70.4846, 54.3364



59.5807, 70.4846, 64.7801

Sweetspot

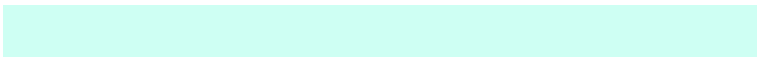
The Sweet Spot groups the original color and five complimentary colors.



68.5770, 70.4874, 104.5988



86.0682, 90.0623, 107.4552



77.3544, 91.0982, 98.1035



18.2214, 19.0541, 22.9674



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.



68.5770, 70.4874, 104.5988



64.1299, 65.4504, 103.8609



69.1109, 66.3083, 103.7640



17.3643, 18.1003, 22.8285



10.4419, 5.7934, 50.0025



1.0980, 0.7266, 4.8957

Inverse Universe

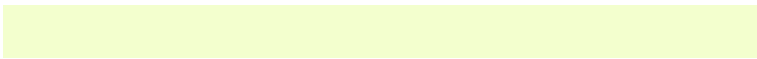
The Inverse Universe completely reimagines the original color for something new.



75.9675, 70.4661, 75.9302



72.7813, 65.5869, 70.2652



83.7771, 94.9867, 72.3130



18.1918, 18.0600, 19.6272



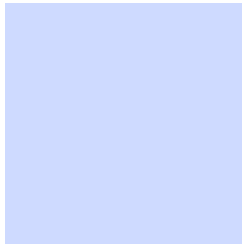
22.0588, 11.3128, 3.6941



2.1888, 1.1179, 0.5757

Previews

White Background



This preview shows how the XYZ color 68.5750, 70.4846, 104.5983 looks on a white background.

Color Contrast Check

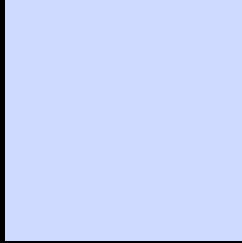
Large Text (above 18pt) WCAG AA × Fail

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 68.5750, 70.4846, 104.5983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

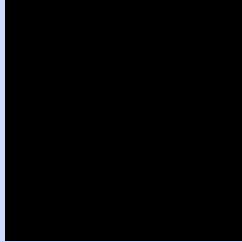
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5750, 70.4846, 104.5983

Background



This preview shows how black text looks on a background with the XYZ color 68.5750, 70.4846, 104.5983.

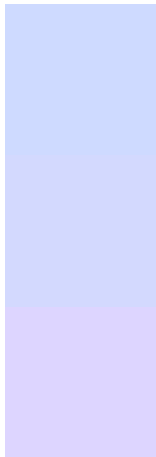


This preview shows how white text looks on a background with the XYZ color 68.5750, 70.4846,

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

68.5750, 70.4846, 104.5983

Protanopia

69.5662, 70.6303, 103.7324

Deuteranopia

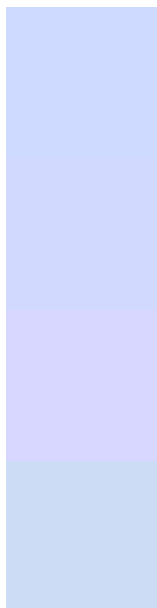
71.6630, 70.1807, 104.3769



Tritanopia

65.9177, 70.5825, 91.0385

Trichromacy



Original Color

68.5750, 70.4846, 104.5983

Protanomaly

68.9967, 70.3368, 103.7058

Deuteranomaly

70.6693, 70.4198, 104.4754

Tritanomaly

66.8242, 70.5554, 95.6845

Monochromacy



Original Color

68.5750, 70.4846, 104.5983

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.6286, 70.7854, 86.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5750, 70.4846, 104.5983 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(206, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5750, 70.4846, 104.5983 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(206, 218, 255) }
```


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

```
.border{ border-color:rgb(206, 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(206, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5750, 70.4846, 104.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 218, 255) }
```

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

```
.background{ background-color: rgb(206,  
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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