

Converting Colors

XYZ(79.9161, 78.7225,
164.8481)

Have a look what the booklet for
XYZ(79.9161, 78.7225, 164.8481)
contains.

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Color

**XYZ(68.5450, 74.0285,
105.2840)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E3FF
RGB	197, 227, 255
RGB Percent	77%, 89%, 100%
CMY	0.2274, 0.1098, 0.0000
CMYK	0.23, 0.11, 0.00, 0.00
HSL	209°, 100%, 89%
HSV	209°, 23%, 100%
XYZ	68.5450, 74.0285, 105.2840
YIQ	221.2220, -26.8680, 2.3480

Conversions

Conversions Part 2

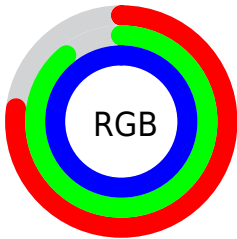
Format	Color
RYB	197, 217, 255
Decimal	12968959
CIELab	88.94, -3.93, -16.85
CIELCh	89, 17.299, 256.879
Yxy	74.0285, 0.2766, 0.2987
Android (android.graphics.Color)	4291159039 (0xFFC5E3FF)
YUV	221.2220, 16.6526, -21.2427
Hunter-Lab	86.0398, -8.3648, -12.3233

Details

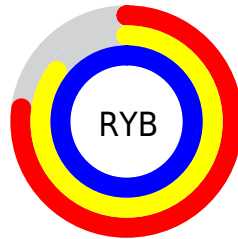
The XYZ color **68.5450, 74.0285, 105.2840** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.2430, 79.1407, 63.9767**, and the grayscale version is **68.7850, 72.3672, 78.8079**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **36.1009, 39.3330, 59.1154** is the 20% darker color. If you saturate the color by 10%, you get **59.1773, 64.3806, 103.9155**, and if you desaturate by 10%, it is **79.2868, 84.7458, 106.7865**.

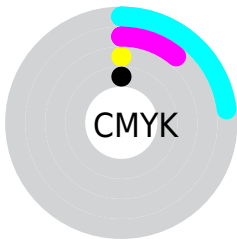
Distribution



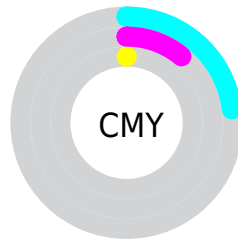
- Red (77%)
- Green (89%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5450, 74.0285, 105.2840 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 68.5450, 74.0285, 105.2840 by changing the saturation by 10% instead.

■ 68.5450, 74.0285,
105.2840

■ 68.5450, 74.0285,
105.2840

444.7711,
474.5717, 598.3948

■ 50.6165, 54.8174,
80.0793

116.1691,
124.9362, 170.5148

■ 36.1233, 39.2555,
59.2571

146.5954,
157.4016, 211.3780

■ 24.7000, 26.9586,
42.3987

181.9185,
195.0538, 258.2979

■ 15.9812, 17.5421,
29.0857

222.5035,
238.2773, 311.6928

■ 9.6016, 10.6217,
18.8995

268.7159,
287.4564, 371.9815

■ 5.1959, 5.8131,
11.4216

320.9211,

■ 2.3986, 2.7318,

342.9756, 439.5823

6.2335

379.4844,
405.2193, 514.9139

■ 0.8444, 0.9934,
2.9165

■ 0.0000, 0.0000,
1.0521

■ 68.5450, 74.0285,
105.2840

■ 68.5450, 74.0285,
105.2840

■ 59.1773, 64.3806,
103.9155

■ 79.2868, 84.7458,
106.7865

■ 51.1160, 55.7541,
102.6753

■ 91.4543, 96.5608,
108.4257

■ 44.2960, 48.1099,
101.5592

■ 95.0500, 100.0000,
108.9000

■ 38.6441, 41.4021,
100.5624

■ 34.0784, 35.5803,
99.6793

■ 30.5049, 30.5877,
98.9040

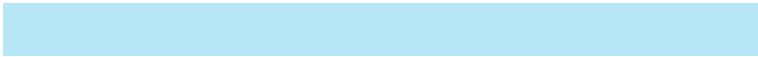
■ 27.8107, 26.3569,
98.2294

■ 26.2893, 23.6985,
97.7964

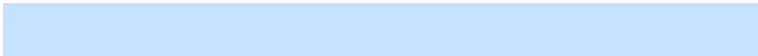
Harmonies

Analogous

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



64.9864, 74.0285, 98.6861



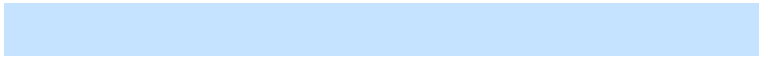
68.5450, 74.0285, 105.2840



72.7321, 74.0285, 104.8158

Triad

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



68.5450, 74.0285, 105.2840



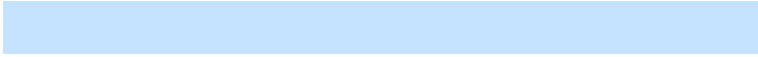
78.3736, 74.0285, 74.0759



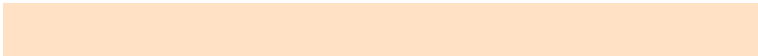
64.6321, 74.0285, 65.8105

Complementary

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



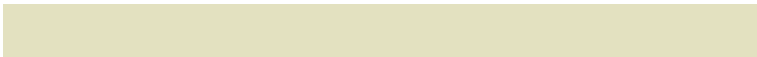
68.5450, 74.0285, 105.2840



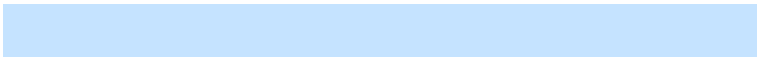
78.2430, 79.1407, 63.9767

Split Complementary

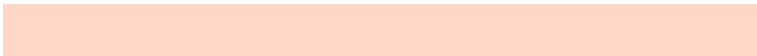
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0437, 74.0285, 60.4419



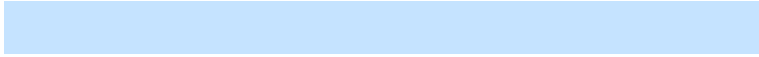
68.5450, 74.0285, 105.2840



76.0258, 74.0285, 64.8784

Square

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



68.5450, 74.0285, 105.2840



78.5209, 74.0285, 85.9680



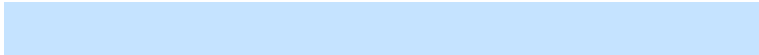
72.2106, 74.0285, 60.1186



62.7886, 74.0285, 75.4687

Rectangle

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



68.5450, 74.0285, 105.2840



75.3189, 74.0285, 100.5500



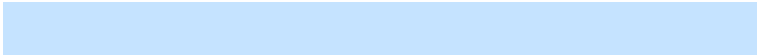
72.2106, 74.0285, 60.1186



65.6273, 74.0285, 63.4881

Sweetspot

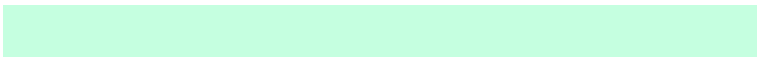
The Sweet Spot groups the original color and five complimentary colors.



68.5470, 74.0314, 105.2844



86.0978, 91.3956, 107.7110



72.2504, 88.7762, 83.8969



18.2705, 19.4092, 23.0333



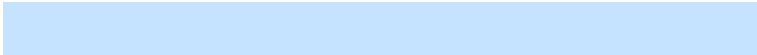
0.0000, 0.0000, 0.0000



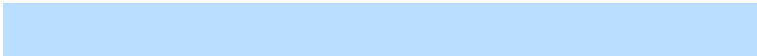
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5470, 74.0314, 105.2844



64.3954, 69.7963, 104.6858



61.4853, 59.9080, 102.9305



17.7803, 18.9322, 22.9671



13.8871, 12.6837, 51.1509



1.4616, 1.4538, 5.0169

Inverse Universe

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



75.0726, 66.7400, 81.6018



71.9840, 61.7024, 77.0588



86.4647, 95.5841, 66.7173



18.4017, 18.1440, 20.7327



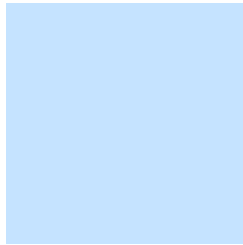
23.7977, 12.0084, 12.8513



2.3723, 1.1913, 1.5421

Previews

White Background



This preview shows how the XYZ color 68.5450, 74.0285, 105.2840 looks on a white background.

Color Contrast Check

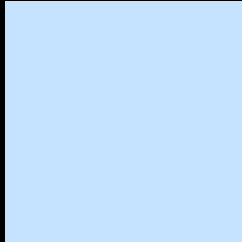
Large Text (above 18pt) WCAG AA × Fail

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 68.5450, 74.0285, 105.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

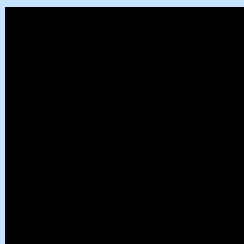
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

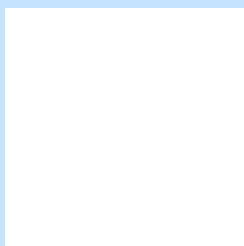
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5450, 74.0285, 105.2840

Background



This preview shows how black text looks on a background with the XYZ color 68.5450, 74.0285, 105.2840.

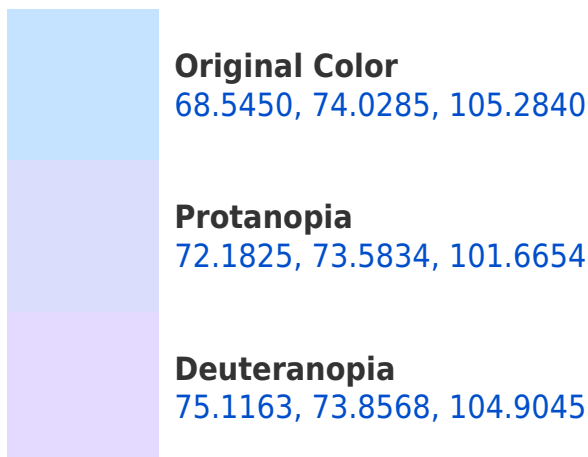


This preview shows how white text looks on a background with the XYZ color 68.5450, 74.0285,

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





Tritanopia

67.0376, 73.8043, 98.7081

Trichromacy



Original Color

68.5450, 74.0285, 105.2840

Protanomaly

70.5367, 73.5053, 102.5657

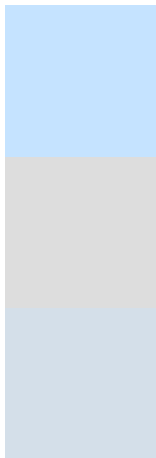
Deuteranomaly

72.5217, 73.6846, 105.0080

Tritanomaly

67.7637, 74.1247, 101.1785

Monochromacy



Original Color

68.5450, 74.0285, 105.2840

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2470, 72.6556, 87.5177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5450, 74.0285, 105.2840 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(197, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 227, 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(197, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5450, 74.0285, 105.2840 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(197, 227, 255) }
```


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

```
.border{ border-color:rgb(197, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5450, 74.0285, 105.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 227, 255) }
```

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

```
.background{ background-color: rgb(197,  
227, 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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