

Converting Colors

XYZ(80.0999, 79.1402,
164.6646)

Have a look what the booklet for
XYZ(80.0999, 79.1402, 164.6646)
contains.

XYZ(68.8194, 74.5771, 105.3754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.8194, 74.5771,
105.3754)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E4FF
RGB	197, 228, 255
RGB Percent	77%, 89%, 100%
CMY	0.2274, 0.1059, 0.0000
CMYK	0.23, 0.11, 0.00, 0.00
HSL	208°, 100%, 89%
HSV	208°, 23%, 100%
XYZ	68.8194, 74.5771, 105.3754
YIQ	221.8090, -27.1430, 1.8250

Conversions

Conversions Part 2

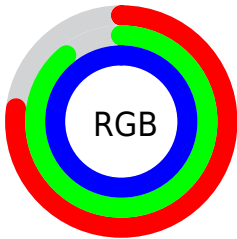
Format	Color
R_{YB}	197, 217, 255
Decimal	12969215
CIE _{Lab}	89.19, -4.44, -16.46
CIE _{LCh}	89, 17.048, 254.890
Yxy	74.5771, 0.2766, 0.2998
Android (android.graphics.Color)	4291159295 (0xFFC5E4FF)
YUV	221.8090, 16.3632, -21.7575
Hunter-Lab	86.3580, -8.8785, -11.8959

Details

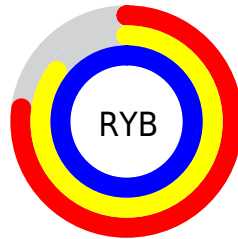
The XYZ color **68.8194, 74.5771, 105.3754** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.9737, 78.6020, 63.8873**, and the grayscale version is **69.2001, 72.8039, 79.2834**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **36.2919, 39.7151, 59.1791** is the 20% darker color. If you saturate the color by 10%, you get **59.5449, 65.1156, 104.0379**, and if you desaturate by 10%, it is **79.4515, 85.0751, 106.8413**.

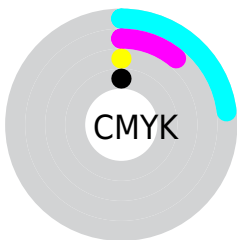
Distribution



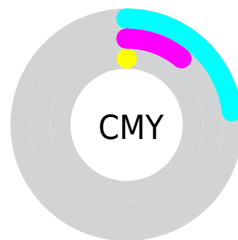
- Red (77%)
- Green (89%)
- Blue (100%)



- 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 68.8194, 74.5771, 105.3754 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 68.8194, 74.5771, 105.3754 by changing the saturation by 10% instead.

68.8194, 74.5771,
105.3754

68.8194, 74.5771,
105.3754

445.7251,
476.4628, 598.6859

50.8407, 55.2665,
80.1555

116.5591,
125.7135, 170.6409

36.3024, 39.6151,
59.3194

147.0508,
158.3082, 211.5235

24.8390, 27.2386,
42.4486

182.4443,
196.0996, 258.4641

16.0853, 17.7525,
29.1245

223.1048,
239.4723, 311.8813

9.6757, 10.7724,
18.9286

269.3978,
288.8105, 372.1935

5.2451, 5.9140,
11.4424

321.6886,

2.4280, 2.7929,

344.4988, 439.8193

6.2474

380.3426,
406.9214, 515.1772

■ 0.8591, 1.0246,
2.9249

■ 0.0000, 0.0000,
1.0564

■ 68.8194, 74.5771,
105.3754

■ 68.8194, 74.5771,
105.3754

■ 59.5449, 65.1156,
104.0379

■ 79.4515, 85.0751,
106.8413

■ 51.5607, 56.6435,
102.8235

■ 91.4923, 96.6367,
108.4383

■ 44.8025, 49.1227,
101.7280

95.0500, 100.0000,
108.9000

■ 39.1975, 42.5088,
100.7468

■ 34.6645, 36.7524,
99.8747

■ 31.1100, 31.7979,
99.1057

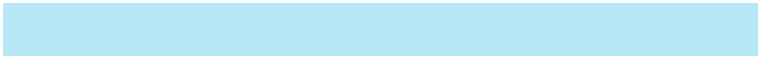
■ 28.4220, 27.5795,
98.4331

■ 26.8974, 24.9148,
97.9991

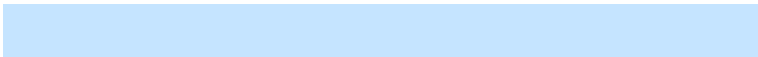
Harmonies

Analogous

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



65.3683, 74.5771, 98.4580



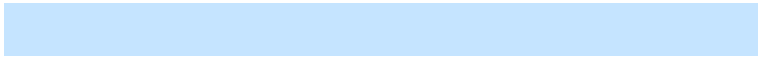
68.8194, 74.5771, 105.3754



72.9577, 74.5771, 105.4026

Triad

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



68.8194, 74.5771, 105.3754



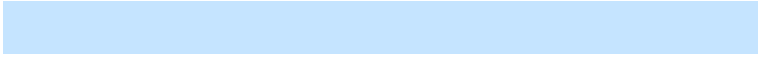
78.8945, 74.5771, 75.4588



65.3889, 74.5771, 66.0353

Complementary

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



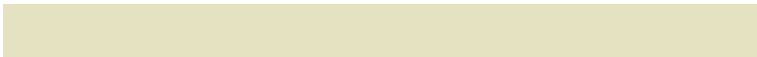
68.8194, 74.5771, 105.3754



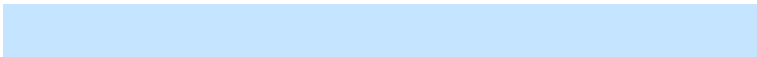
77.9737, 78.6020, 63.8873

Split Complementary

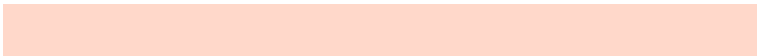
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8486, 74.5771, 61.0216



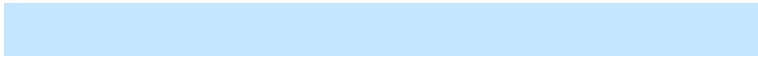
68.8194, 74.5771, 105.3754



76.7001, 74.5771, 66.0897

Square

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



68.8194, 74.5771, 105.3754



78.8859, 74.5771, 87.3184



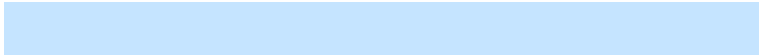
72.9880, 74.5771, 61.0405



63.4411, 74.5771, 75.3777

Rectangle

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



68.8194, 74.5771, 105.3754



75.5558, 74.5771, 101.4698



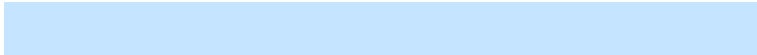
72.9880, 74.5771, 61.0405



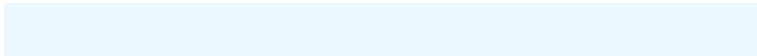
66.4076, 74.5771, 63.8301

Sweetspot

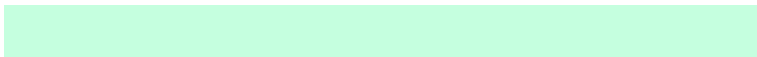
The Sweet Spot groups the original color and five complimentary colors.



68.8214, 74.5800, 105.3758



86.1916, 91.5833, 107.7423



72.1198, 88.7239, 83.2083



18.2922, 19.4526, 23.0406



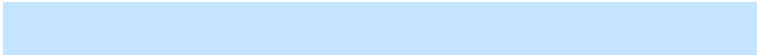
0.0000, 0.0000, 0.0000



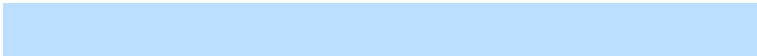
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8214, 74.5800, 105.3758



64.7112, 70.4280, 104.7911



61.7086, 60.3544, 103.0049



17.8071, 18.9858, 22.9760



14.2055, 13.3206, 51.2570



1.4925, 1.5158, 5.0272

Inverse Universe

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



75.2112, 66.7956, 82.3309



72.1434, 61.7662, 77.8983



86.1603, 94.9751, 66.6161



18.4153, 18.1494, 20.8041



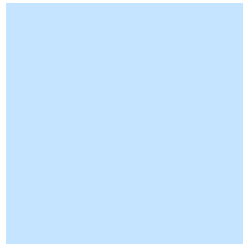
23.9585, 12.0727, 13.6977



2.3880, 1.1976, 1.6245

Previews

White Background



This preview shows how the XYZ color 68.8194, 74.5771, 105.3754 looks on a white background.

Color Contrast Check

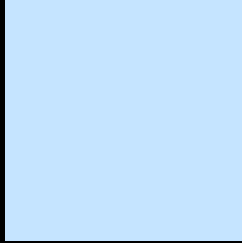
Large Text (above 18pt) WCAG AA × Fail

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 68.8194, 74.5771, 105.3754 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

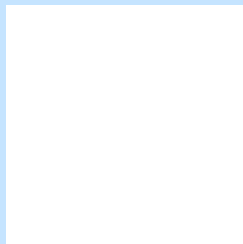
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8194, 74.5771, 105.3754

Background



This preview shows how black text looks on a background with the XYZ color 68.8194, 74.5771, 105.3754.



This preview shows how white text looks on a background with the XYZ color 68.8194, 74.5771,

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

68.8194, 74.5771, 105.3754

Protanopia

72.7473, 74.2677, 101.7677

Deuteranopia

75.4345, 74.0208, 104.9194



Tritanopia

67.7275, 74.5517, 99.6272

Trichromacy



Original Color

68.8194, 74.5771, 105.3754

Protanomaly

71.0903, 74.1885, 102.6684

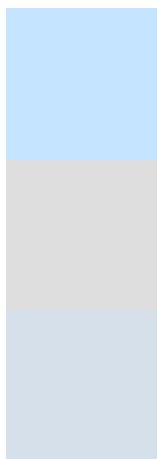
Deuteranomaly

72.7865, 74.2143, 105.0963

Tritanomaly

68.1968, 74.7394, 102.0986

Monochromacy



Original Color

68.8194, 74.5771, 105.3754

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.9475, 73.3980, 88.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8194, 74.5771, 105.3754 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8194, 74.5771, 105.3754 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, 228, 255) }
```


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

```
.border{ border-color:rgb(197, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8194, 74.5771, 105.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 228, 255) }
```

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

```
.background{ background-color: rgb(197,  
228, 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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