

Converting Colors

XYZ(68.3370, 74.4546,
105.3772)

Have a look what the booklet for
XYZ(68.3370, 74.4546, 105.3772)
contains.

XYZ(68.2991, 74.3089, 105.3510)	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(68.2991, 74.3089,
105.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E4FF
RGB	195, 228, 255
RGB Percent	76%, 89%, 100%
CMY	0.2353, 0.1059, 0.0000
CMYK	0.24, 0.11, 0.00, 0.00
HSL	207°, 100%, 88%
HSV	207°, 24%, 100%
XYZ	68.2991, 74.3089, 105.3510
YIQ	221.2110, -28.3350, 1.4010

Conversions

Conversions Part 2

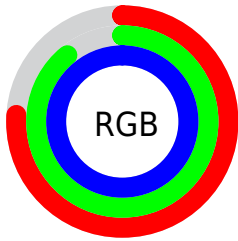
Format	Color
R _Y B	195, 216, 255
Decimal	12838143
CIE Lab	89.07, -5.03, -16.66
CIE LCh	89, 17.405, 253.188
Yxy	74.3089, 0.2754, 0.2997
Android (android.graphics.Color)	4291028223 (0xFFC3E4FF)
YUV	221.2110, 16.6580, -22.9870
Hunter-Lab	86.2026, -9.4274, -12.1184

Details

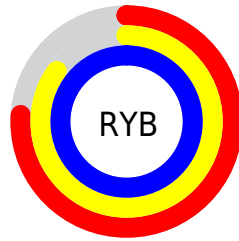
The XYZ color **68.2991, 74.3089, 105.3510** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.2116, 77.4421, 62.5099**, and the grayscale version is **68.7781, 72.3599, 78.7999**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **35.9518, 39.5398, 59.1632** is the 20% darker color. If you saturate the color by 10%, you get **59.2124, 65.0950, 104.0515**, and if you desaturate by 10%, it is **78.7244, 84.5277, 106.7740**.

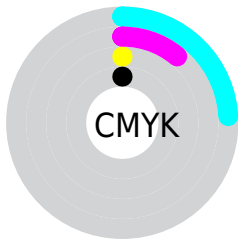
Distribution



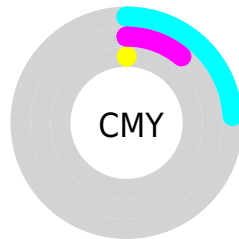
- Red (76%)
- Green (89%)
- Blue (100%)



- Red (76%)
- Yellow (85%)
- Blue (100%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2991, 74.3089, 105.3510 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 68.2991, 74.3089, 105.3510 by changing the saturation by 10% instead.

68.2991, 74.3089,
105.3510

68.2991, 74.3089,
105.3510

443.9151,
475.5388, 598.6082

50.4157, 55.0469,
80.1351

115.8195,
125.3336, 170.6072

35.9629, 39.4393,
59.3028

146.1871,
157.8651, 211.4847

24.5755, 27.1016,
42.4353

181.4469,
195.5885, 258.4197

15.8882, 17.6496,
29.1142

221.9642,
238.8883, 311.8310

9.5354, 10.6987,
18.9209

268.1043,
288.1488, 372.1369

5.1519, 5.8646,
11.4369

320.2326,

2.3723, 2.7629,

343.7545, 439.7560

6.2436

378.7144,
406.0897, 515.1070

■ 0.8313, 1.0093,
2.9226

■ 0.0000, 0.0000,
1.0553

■ 68.2991, 74.3089,
105.3510

■ 68.2991, 74.3089,
105.3510

■ 59.2124, 65.0950,
104.0515

■ 78.7244, 84.5277,
106.7740

■ 51.3971, 56.8396,
102.8700

■ 90.5393, 95.7777,
108.3228

■ 44.7889, 49.5053,
101.8026

95.0500, 100.0000,
108.9000

■ 39.3150, 43.0482,
100.8448

■ 34.8937, 37.4197,
99.9914

■ 31.4311, 32.5645,
99.2367

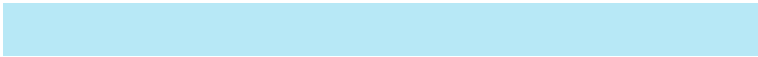
■ 28.8135, 28.4169,
98.5741

■ 27.4666, 26.0532,
98.1889

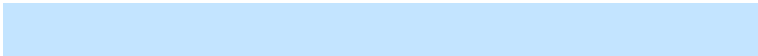
Harmonies

Analogous

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



64.8558, 74.3089, 97.9435



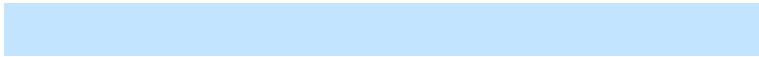
68.2991, 74.3089, 105.3510



72.5025, 74.3089, 105.8069

Triad

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



68.2991, 74.3089, 105.3510



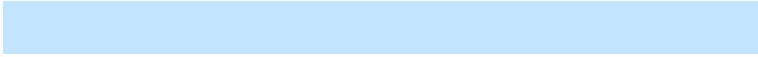
78.8573, 74.3089, 75.7049



65.2005, 74.3089, 65.0688

Complementary

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



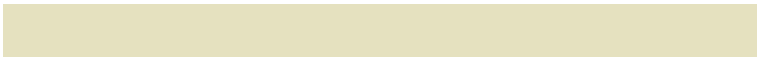
68.2991, 74.3089, 105.3510



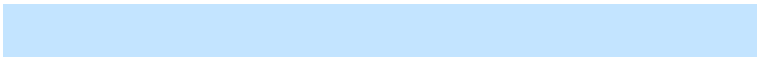
77.2116, 77.4421, 62.5099

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.



68.7868, 74.3089, 60.2609



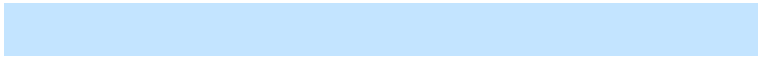
68.2991, 74.3089, 105.3510



76.7337, 74.3089, 65.9751

Square

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



68.2991, 74.3089, 105.3510



78.7139, 74.3089, 87.8446



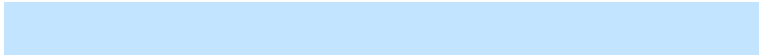
73.0100, 74.3089, 60.5752



63.1164, 74.3089, 74.3499

Rectangle

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



68.2991, 74.3089, 105.3510



75.1803, 74.3089, 102.0388



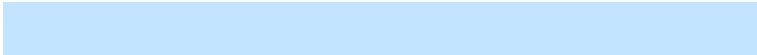
73.0100, 74.3089, 60.5752



66.2640, 74.3089, 62.9195

Sweetspot

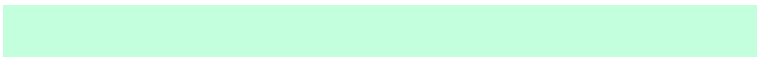
The Sweet Spot groups the original color and five complimentary colors.



68.3011, 74.3118, 105.3515



86.2763, 91.7526, 107.7705



71.3179, 88.3431, 81.7009



18.3118, 19.4918, 23.0471



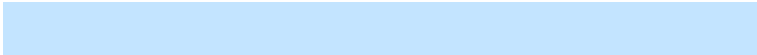
0.0000, 0.0000, 0.0000



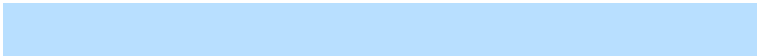
20.3446, 21.4041, 23.3091

Same Dimension

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



68.3011, 74.3118, 105.3515



64.0754, 70.0689, 104.7553



60.9806, 59.6707, 102.9113



17.8313, 19.0343, 22.9841



14.5032, 13.9160, 51.3562



1.5213, 1.5733, 5.0368

Inverse Universe

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



74.7600, 65.8933, 82.1805



71.5998, 60.6959, 77.6646



85.5879, 94.1948, 65.3021



18.4275, 18.1543, 20.8684



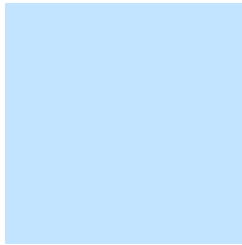
24.1088, 12.1328, 14.4891



2.4025, 1.2034, 1.7009

Previews

White Background



This preview shows how the XYZ color 68.2991, 74.3089, 105.3510 looks on a white background.

Color Contrast Check

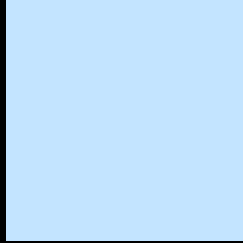
Large Text (above 18pt) WCAG AA × Fail

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 68.2991, 74.3089, 105.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

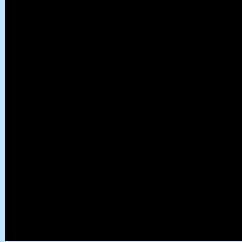
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

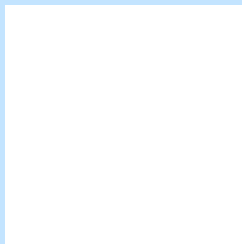
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2991, 74.3089, 105.3510

Background



This preview shows how black text looks on a background with the XYZ color 68.2991, 74.3089, 105.3510.



This preview shows how white text looks on a background with the XYZ color 68.2991, 74.3089,

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

68.2991, 74.3089, 105.3510

Protanopia

72.7473, 74.2677, 101.7677

Deuteranopia

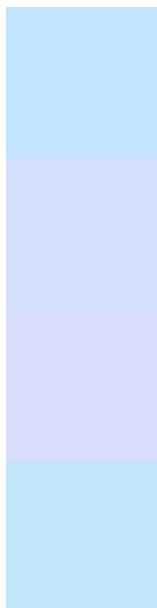
75.4345, 74.0208, 104.9194



Tritanopia

66.9549, 74.1534, 99.5911

Trichromacy



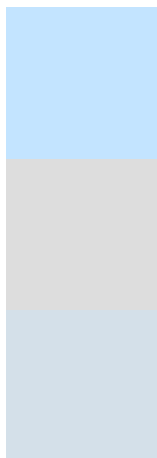
Original Color
68.2991, 74.3089, 105.3510

Protanomaly
70.8047, 74.0412, 102.6550

Deuteranomaly
72.7865, 74.2143, 105.0963

Tritanomaly
67.6800, 74.4730, 102.0744

Monochromacy



Original Color
68.2991, 74.3089, 105.3510

Achromatopsia
68.7264, 72.3055, 78.7407

Achromatomaly
68.5150, 73.1915, 87.6070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2991, 74.3089, 105.3510 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(195, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2991, 74.3089, 105.3510 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(195, 228, 255) }
```


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

```
.border{ border-color:rgb(195, 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(195, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2991, 74.3089, 105.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 228, 255) }
```

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

```
.background{ background-color: rgb(195,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor