

Converting Colors

XYZ(73.7242, 76.8011,
127.5473)

Have a look what the booklet for
XYZ(73.7242, 76.8011, 127.5473)
contains.

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Color

**XYZ(69.3466, 74.8489,
105.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E4FF
RGB	199, 228, 255
RGB Percent	78%, 89%, 100%
CMY	0.2196, 0.1059, 0.0000
CMYK	0.22, 0.11, 0.00, 0.00
HSL	209°, 100%, 89%
HSV	209°, 22%, 100%
XYZ	69.3466, 74.8489, 105.4001
YIQ	222.4070, -25.9510, 2.2490

Conversions

Conversions Part 2

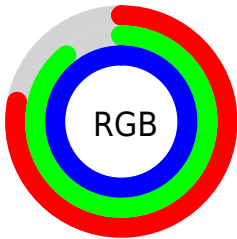
Format	Color
R_{YB}	199, 218, 255
Decimal	13100287
CIE _{Lab}	89.32, -3.85, -16.25
CIE _{LCh}	89, 16.704, 256.672
Yxy	74.8489, 0.2778, 0.2999
Android (android.graphics.Color)	4291290367 (0xFFC7E4FF)
YUV	222.4070, 16.0683, -20.5279
Hunter-Lab	86.5153, -8.3244, -11.6713

Details

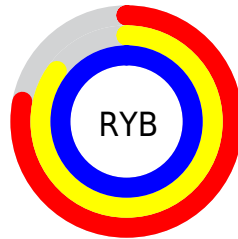
The XYZ color **69.3466, 74.8489, 105.4001** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.7451, 79.7755, 65.2825**, and the grayscale version is **69.6236, 73.2494, 79.7687**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6382, 39.8936, 59.1953** is the 20% darker color. If you saturate the color by 10%, you get **59.8770, 65.1257, 104.0224**, and if you desaturate by 10%, it is **80.1944, 85.6434, 106.9119**.

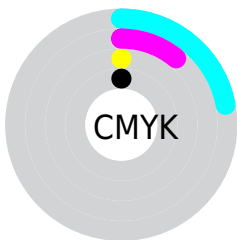
Distribution



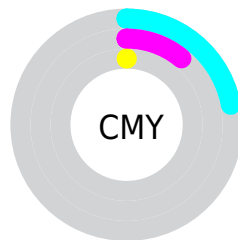
- Red (78%)
- Green (89%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3466, 74.8489, 105.4001 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 69.3466, 74.8489, 105.4001 by changing the saturation by 10% instead.

69.3466, 74.8489,
105.4001

69.3466, 74.8489,
105.4001

447.5547,
477.3981, 598.7645

51.2717, 55.4891,
80.1761

117.3078,
126.0984, 170.6749

36.6468, 39.7935,
59.3362

147.9249,
158.7570, 211.5628

25.1066, 27.3775,
42.4620

183.4534,
196.6173, 258.5090

16.2856, 17.8570,
29.1350

224.2587,
240.0636, 311.9322

9.8186, 10.8473,
18.9365

270.7061,
289.4805, 372.2508

5.3402, 5.9643,
11.4481

323.1610,

2.4850, 2.8234,

345.2523, 439.8833

6.2511

381.9888,
407.7633, 515.2484

■ 0.8877, 1.0402,
2.9271

■ 0.0000, 0.0000,
1.0575

■ 69.3466, 74.8489,
105.4001

■ 69.3466, 74.8489,
105.4001

■ 59.8770, 65.1257,
104.0224

■ 80.1944, 85.6434,
106.9119

■ 51.7181, 56.4258,
102.7732

■ 92.4717, 97.5371,
108.5605

■ 44.8055, 48.7105,
101.6483

■ 95.0500, 100.0000,
108.9000

■ 39.0665, 41.9344,
100.6429

■ 34.4199, 36.0474,
99.7515

■ 30.7730, 30.9932,
98.9681

■ 28.0147, 26.7058,
98.2859

■ 26.3105, 23.7410,
97.8035

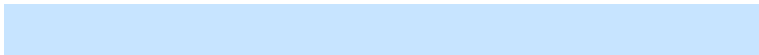
Harmonies

Analogous

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



65.8879, 74.8489, 98.9775



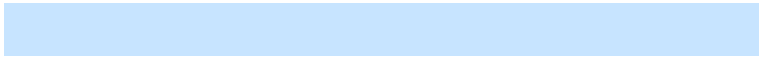
69.3466, 74.8489, 105.4001



73.4185, 74.8489, 104.9974

Triad

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



69.3466, 74.8489, 105.4001



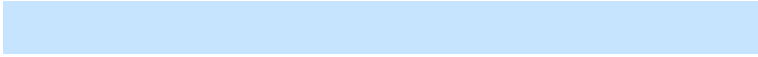
78.9329, 74.8489, 75.2141



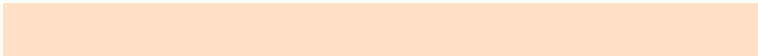
65.5805, 74.8489, 67.0188

Complementary

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



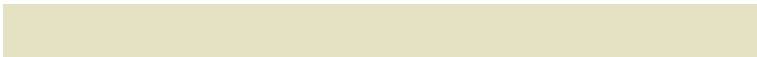
69.3466, 74.8489, 105.4001



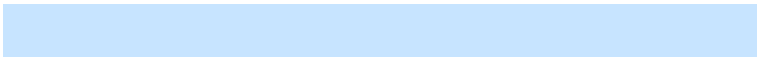
78.7451, 79.7755, 65.2825

Split Complementary

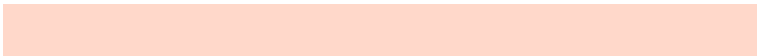
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9123, 74.8489, 61.7953



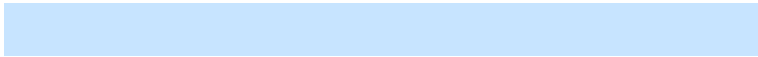
69.3466, 74.8489, 105.4001



76.6674, 74.8489, 66.2075

Square

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



69.3466, 74.8489, 105.4001



79.0601, 74.8489, 86.7931



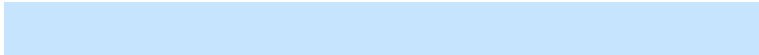
72.9674, 74.8489, 61.5133



63.7704, 74.8489, 76.4222

Rectangle

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



69.3466, 74.8489, 105.4001



75.9356, 74.8489, 100.9005



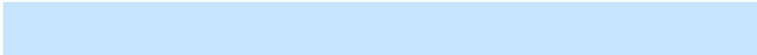
72.9674, 74.8489, 61.5133



66.5538, 74.8489, 64.7569

Sweetspot

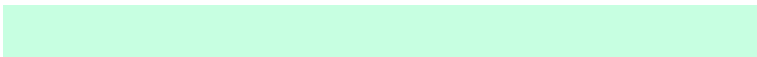
The Sweet Spot groups the original color and five complimentary colors.



69.3486, 74.8518, 105.4005



86.1011, 91.4023, 107.7121



72.9230, 89.1061, 84.6864



18.2712, 19.4107, 23.0336



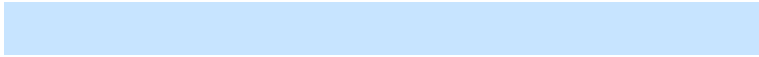
0.0000, 0.0000, 0.0000



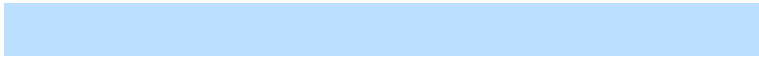
20.3446, 21.4041, 23.3091

Same Dimension

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



69.3486, 74.8518, 105.4005



65.3597, 70.7960, 104.8279



62.4602, 61.0750, 103.1044



17.7812, 18.9341, 22.9674



13.8982, 12.7060, 51.1546



1.4626, 1.4560, 5.0172

Inverse Universe

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



75.6683, 67.7099, 82.4833



72.6975, 62.8560, 78.1395



86.7166, 95.7185, 67.9397



18.4022, 18.1442, 20.7353



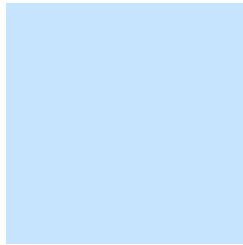
23.8034, 12.0106, 12.8809



2.3729, 1.1915, 1.5450

Previews

White Background



This preview shows how the XYZ color 69.3466, 74.8489, 105.4001 looks on a white background.

Color Contrast Check

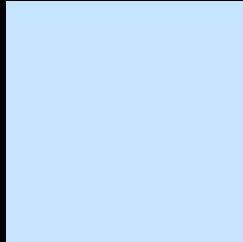
Large Text (above 18pt) WCAG AA × Fail

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 69.3466, 74.8489, 105.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

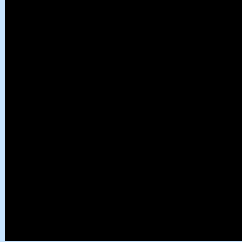
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

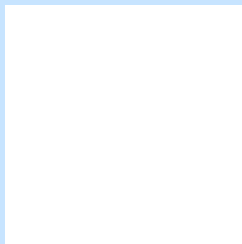
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3466, 74.8489, 105.4001

Background



This preview shows how black text looks on a background with the XYZ color 69.3466, 74.8489, 105.4001.



This preview shows how white text looks on a background with the XYZ color 69.3466, 74.8489,

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

69.3466, 74.8489, 105.4001

Protanopia

73.0491, 74.4232, 101.7818

Deuteranopia

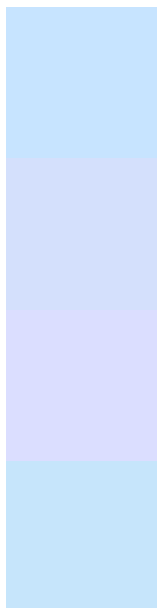
76.0146, 74.7060, 105.0210



Tritanopia

68.2513, 74.8217, 99.6517

Trichromacy



Original Color

69.3466, 74.8489, 105.4001

Protanomaly

71.3777, 74.3366, 102.6819

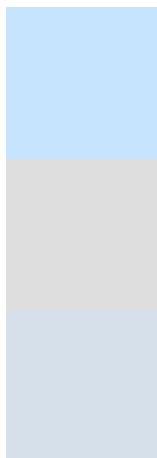
Deuteranomaly

73.3847, 74.5226, 105.1243

Tritanomaly

68.7206, 75.0094, 102.1231

Monochromacy



Original Color

69.3466, 74.8489, 105.4001

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.2385, 73.5480, 88.3888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3466, 74.8489, 105.4001 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(199, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3466, 74.8489, 105.4001 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(199, 228, 255) }
```


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

```
.border{ border-color:rgb(199, 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(199, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3466, 74.8489, 105.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 228, 255) }
```

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

```
.background{ background-color: rgb(199,  
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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