

Converting Colors

XYZ(68.2603, 72.7158,
105.0456)

Have a look what the booklet for
XYZ(68.2603, 72.7158, 105.0456)
contains.

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Color

**XYZ(68.2588, 72.6734,
105.0375)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E0FF
RGB	199, 224, 255
RGB Percent	78%, 88%, 100%
CMY	0.2196, 0.1216, 0.0000
CMYK	0.22, 0.12, 0.00, 0.00
HSL	213°, 100%, 89%
HSV	213°, 22%, 100%
XYZ	68.2588, 72.6734, 105.0375
YIQ	220.0590, -24.8510, 4.3410

Conversions

Conversions Part 2

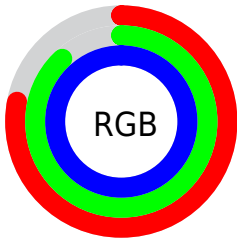
Format	Color
R_{YB}	199, 216, 255
Decimal	13099263
CIE Lab	88.29, -1.78, -17.80
CIE LCh	88, 17.892, 264.306
Yxy	72.6734, 0.2775, 0.2955
Android (android.graphics.Color)	4291289343 (0xFFC7E0FF)
YUV	220.0590, 17.2259, -18.4687
Hunter-Lab	85.2487, -6.2599, -13.3789

Details

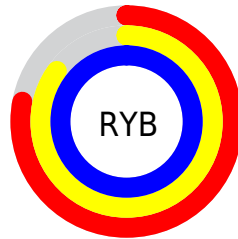
The XYZ color **68.2588, 72.6734, 105.0375** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.8454, 81.9762, 65.6492**, and the grayscale version is **67.9663, 71.5059, 77.8699**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8826, 38.3824, 58.9434** is the 20% darker color. If you saturate the color by 10%, you get **58.4144, 62.2005, 103.5349**, and if you desaturate by 10%, it is **79.5558, 84.3663, 106.6990**.

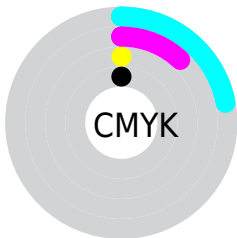
Distribution



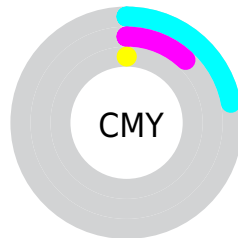
- Red (78%)
- Green (88%)
- Blue (100%)



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



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2588, 72.6734, 105.0375 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 68.2588, 72.6734, 105.0375 by changing the saturation by 10% instead.

■ 68.2588, 72.6734,
105.0375

■ 68.2588, 72.6734,
105.0375

443.7748,
469.8821, 597.6095

■ 50.3828, 53.7089,
79.8739

115.7622,
123.0134, 170.1748

■ 35.9367, 38.3690,
59.0891

146.1202,
155.1578, 210.9857

■ 24.5552, 26.2692,
42.2643

181.3696,
192.4643, 257.8494

■ 15.8729, 17.0252,
28.9812

221.8758,
235.3173, 311.1845

■ 9.5245, 10.2524,
18.8212

268.0040,
284.1012, 371.4095

■ 5.1447, 5.5666,
11.3656

320.1197,

■ 2.3680, 2.5834,

339.2003, 438.9430

6.1961

378.5881,
400.9992, 514.2035

■ 0.8291, 0.9183,
2.8940

■ 0.0000, 0.0000,
1.0407

■ 68.2588, 72.6734,
105.0375

■ 68.2588, 72.6734,
105.0375

■ 58.4144, 62.2005,
103.5349

■ 79.5558, 84.3663,
106.6990

■ 49.9525, 52.8947,
102.1847

■ 92.3592, 97.3123,
108.5230

■ 42.8059, 44.7114,
100.9818

■ 95.0500, 100.0000,
108.9000

■ 36.8990, 37.5994,
99.9204

■ 32.1475, 31.5026,
98.9940

■ 28.4554, 26.3580,
98.1956

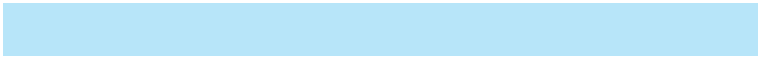
■ 25.7080, 22.0925,
97.5171

■ 24.0508, 19.2216,
97.0503

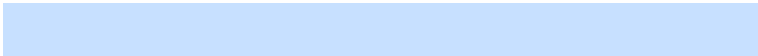
Harmonies

Analogous

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



64.3726, 72.6734, 99.9047



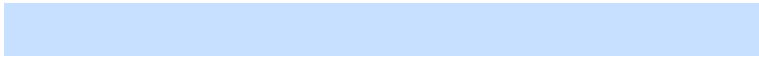
68.2588, 72.6734, 105.0375



72.5247, 72.6734, 102.6674

Triad

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



68.2588, 72.6734, 105.0375



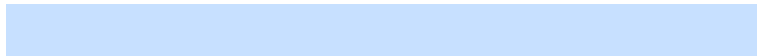
76.8665, 72.6734, 69.7991



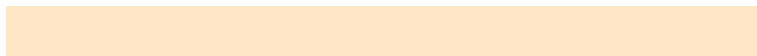
62.5897, 72.6734, 66.1318

Complementary

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



68.2588, 72.6734, 105.0375



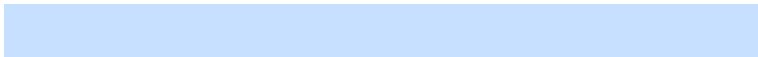
79.8454, 81.9762, 65.6492

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.



65.7343, 72.6734, 59.4949



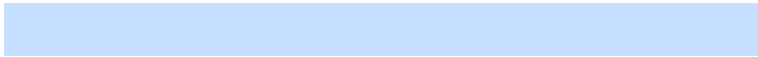
68.2588, 72.6734, 105.0375



73.9987, 72.6734, 61.4538

Square

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



68.2588, 72.6734, 105.0375



77.6103, 72.6734, 81.4958



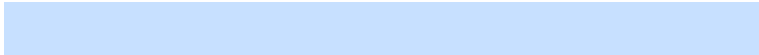
69.8954, 72.6734, 57.8750



61.1876, 72.6734, 76.8084

Rectangle

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



68.2588, 72.6734, 105.0375



74.9965, 72.6734, 97.2649



69.8954, 72.6734, 57.8750



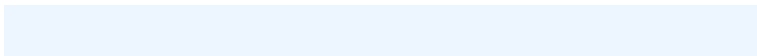
63.4716, 72.6734, 63.4004

Sweetspot

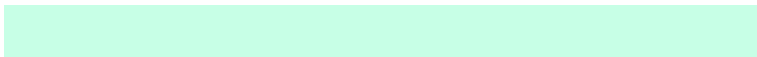
The Sweet Spot groups the original color and five complimentary colors.



68.2608, 72.6763, 105.0379



85.7138, 90.6276, 107.5830



73.5689, 89.3645, 88.0882



18.1816, 19.2314, 23.0037



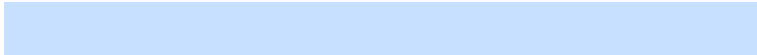
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.2608, 72.6763, 105.0379



64.1117, 68.3000, 104.4119



62.7778, 60.5971, 102.9954



17.6707, 18.7130, 22.9306



12.7108, 10.3312, 50.7588



1.3446, 1.2200, 4.9779

Inverse Universe

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



75.1192, 67.4902, 79.5920



72.0676, 62.6040, 74.8224



86.2865, 96.3765, 68.0892



18.3464, 18.1219, 20.4414



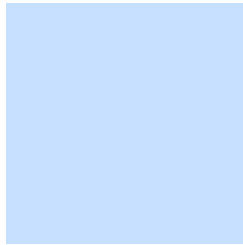
23.2040, 11.7709, 9.7248



2.3133, 1.1677, 1.2314

Previews

White Background



This preview shows how the XYZ color 68.2588, 72.6734, 105.0375 looks on a white background.

Color Contrast Check

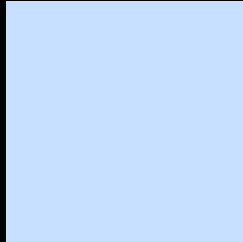
Large Text (above 18pt) WCAG AA × Fail

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 68.2588, 72.6734, 105.0375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

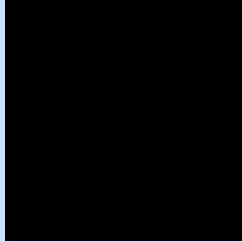
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

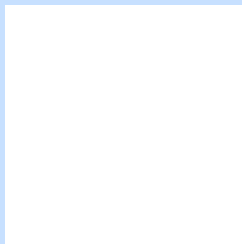
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2588, 72.6734, 105.0375

Background



This preview shows how black text looks on a background with the XYZ color 68.2588, 72.6734, 105.0375.



This preview shows how white text looks on a background with the XYZ color 68.2588, 72.6734,

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

68.2588, 72.6734, 105.0375

Protanopia

71.2211, 72.2902, 102.2951

Deuteranopia

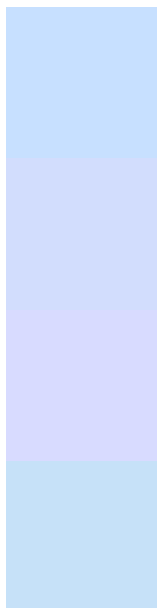
73.6572, 72.3393, 104.6885



Tritanopia

66.5514, 72.7947, 96.1311

Trichromacy



Original Color

68.2588, 72.6734, 105.0375

Protanomaly

70.1644, 72.5064, 103.2256

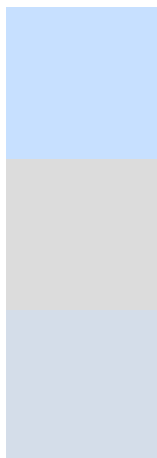
Deuteranomaly

71.7004, 72.4820, 104.8191

Tritanomaly

67.1572, 72.6335, 99.2870

Monochromacy



Original Color

68.2588, 72.6734, 105.0375

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.7158, 71.5931, 87.3406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2588, 72.6734, 105.0375 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2588, 72.6734, 105.0375 is called "border". The border property can be set on classes, ids or directly on the HTML element.

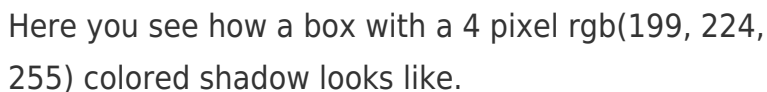
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 224, 255) }
```


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

```
.border{ border-color:rgb(199, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 224, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 224, 255); box-shadow:4px 4px 4px 4px rgb(199, 224, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2588, 72.6734, 105.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 224, 255) }
```

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

```
.background{ background-color: rgb(199,  
224, 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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