

Converting Colors

XYZ(70.2348, 73.5634,
118.3914)

Have a look what the booklet for
XYZ(70.2348, 73.5634, 118.3914)
contains.

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Color

**XYZ(67.4706, 72.2671,
105.0006)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E0FF
RGB	196, 224, 255
RGB Percent	77%, 88%, 100%
CMY	0.2314, 0.1216, 0.0000
CMYK	0.23, 0.12, 0.00, 0.00
HSL	212°, 100%, 88%
HSV	212°, 23%, 100%
XYZ	67.4706, 72.2671, 105.0006
YIQ	219.1620, -26.6390, 3.7050

Conversions

Conversions Part 2

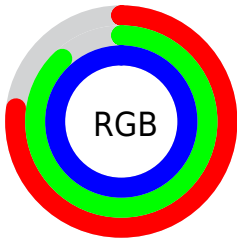
Format	Color
R_{YB}	196, 215, 255
Decimal	12902655
CIE _{Lab}	88.10, -2.67, -18.12
CIE _{LCh}	88, 18.312, 261.628
Yxy	72.2671, 0.2757, 0.2953
Android (android.graphics.Color)	4291092735 (0xFFC4E0FF)
YUV	219.1620, 17.6681, -20.3131
Hunter-Lab	85.0101, -7.0961, -13.7253

Details

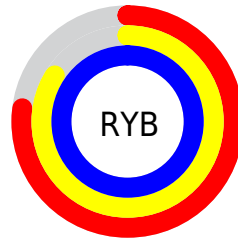
The XYZ color **67.4706, 72.2671, 105.0006** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.6727, 80.1829, 63.5566**, and the grayscale version is **67.3405, 70.8475, 77.1529**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.3655, 38.1159, 58.9192** is the 20% darker color. If you saturate the color by 10%, you get **57.9334, 62.2160, 103.5632**, and if you desaturate by 10%, it is **78.4227, 83.4724, 106.5862**.

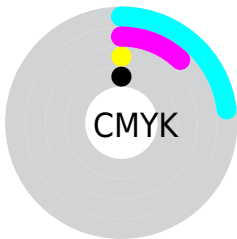
Distribution



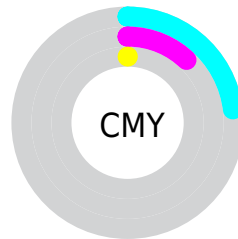
- Red (77%)
- Green (88%)
- Blue (100%)



- Red (77%)
- Yellow (84%)
- Blue (100%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4706, 72.2671, 105.0006 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 67.4706, 72.2671, 105.0006 by changing the saturation by 10% instead.

■ 67.4706, 72.2671,
105.0006

■ 67.4706, 72.2671,
105.0006

441.0242,
468.4707, 597.4919

■ 49.7393, 53.3769,
79.8432

114.6406,
122.4362, 170.1239

■ 35.4232, 38.1037,
59.0639

144.8099,
154.4839, 210.9269

■ 24.1571, 26.0632,
42.2442

179.8559,
191.6862, 257.7822

■ 15.5756, 16.8709,
28.9656

220.1440,
234.4275, 311.1084

■ 9.3133, 10.1425,
18.8094

266.0396,
283.0922, 371.3238

■ 5.0048, 5.4935,
11.3572

317.9079,

■ 2.2849, 2.5397,

338.0647, 438.8472

6.1905

376.1143,
399.7294, 514.0971

■ 0.7869, 0.8964,
2.8906

■ 0.0000, 0.0000,
1.0390

■ 67.4706, 72.2671,
105.0006

■ 67.4706, 72.2671,
105.0006

■ 57.9334, 62.2160,
103.5632

■ 78.4227, 83.4724,
106.5862

■ 49.7417, 53.2683,
102.2679

■ 90.8431, 95.8632,
108.3233

■ 42.8288, 45.3813,
101.1099

■ 95.0500, 100.0000,
108.9000

■ 37.1194, 38.5058,
100.0837

■ 32.5294, 32.5877,
99.1833

■ 28.9626, 27.5661,
98.4020

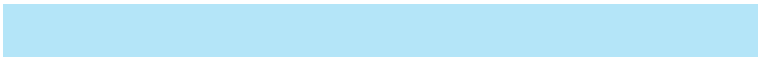
■ 26.3030, 23.3693,
97.7321

■ 24.8911, 20.9021,
97.3304

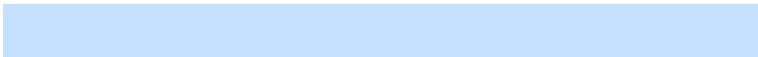
Harmonies

Analogous

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



63.5985, 72.2671, 99.1196



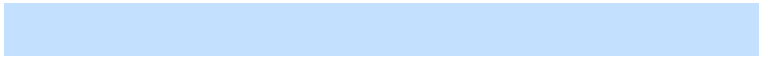
67.4706, 72.2671, 105.0006



71.8342, 72.2671, 103.2660

Triad

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



67.4706, 72.2671, 105.0006



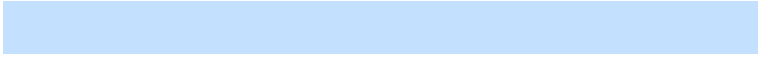
76.8056, 72.2671, 70.1390



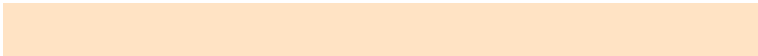
62.3033, 72.2671, 64.6628

Complementary

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



67.4706, 72.2671, 105.0006



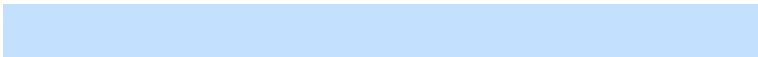
78.6727, 80.1829, 63.5566

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.



65.6344, 72.2671, 58.3541



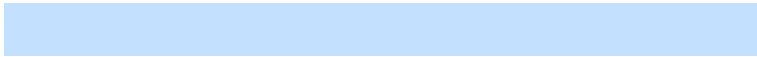
67.4706, 72.2671, 105.0006



74.0414, 72.2671, 61.2744

Square

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



67.4706, 72.2671, 105.0006



77.3482, 72.2671, 82.2454



69.9194, 72.2671, 57.1830



60.6991, 72.2671, 75.2319

Rectangle

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



67.4706, 72.2671, 105.0006



74.4270, 72.2671, 98.0968



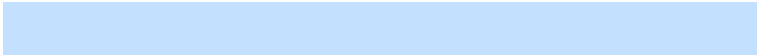
69.9194, 72.2671, 57.1830



63.2513, 72.2671, 62.0222

Sweetspot

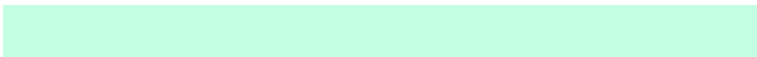
The Sweet Spot groups the original color and five complimentary colors.



67.4726, 72.2699, 105.0010



85.8661, 90.9322, 107.6338



72.3198, 88.7738, 85.6241



18.2168, 19.3019, 23.0155



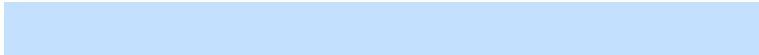
0.0000, 0.0000, 0.0000



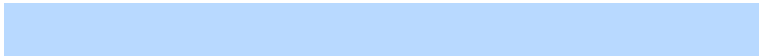
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4726, 72.2699, 105.0010



62.6604, 67.2389, 104.2836



60.8129, 58.5696, 102.7076



17.7141, 18.7998, 22.9450



13.1532, 11.2160, 50.9062



1.3891, 1.3090, 4.9927

Inverse Universe

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



74.4357, 66.1232, 79.3642



70.8856, 60.4102, 73.9035



86.6033, 96.5796, 66.3035



18.3683, 18.1307, 20.5569



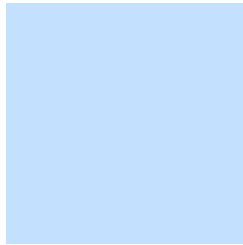
23.4273, 11.8602, 10.9007



2.3358, 1.1767, 1.3496

Previews

White Background



This preview shows how the XYZ color 67.4706, 72.2671, 105.0006 looks on a white background.

Color Contrast Check

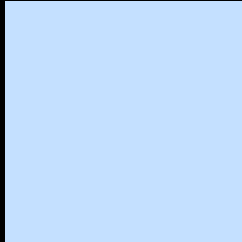
Large Text (above 18pt) WCAG AA × Fail

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 67.4706, 72.2671, 105.0006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

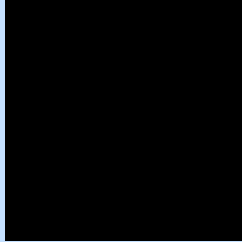
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

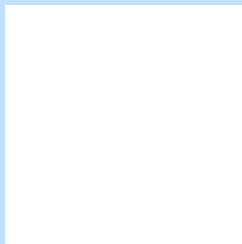
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4706, 72.2671, 105.0006

Background



This preview shows how black text looks on a background with the XYZ color 67.4706, 72.2671, 105.0006.

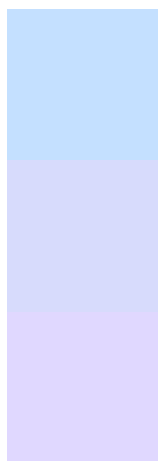


This preview shows how white text looks on a background with the XYZ color 67.4706, 72.2671,

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

67.4706, 72.2671, 105.0006

Protanopia

70.9265, 72.1384, 102.2813

Deuteranopia

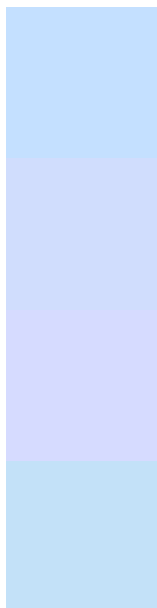
73.3463, 72.1790, 104.6739



Tritanopia

65.7736, 72.3937, 96.0947

Trichromacy



Original Color

67.4706, 72.2671, 105.0006

Protanomaly

69.5985, 72.2146, 103.1991

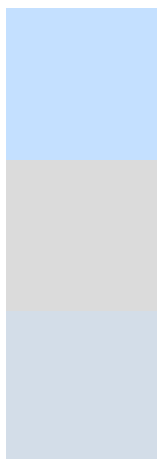
Deuteranomaly

71.1131, 72.1792, 104.7917

Tritanomaly

66.3742, 72.2298, 99.2504

Monochromacy



Original Color

67.4706, 72.2671, 105.0006

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.2859, 71.3880, 86.5768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4706, 72.2671, 105.0006 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(196, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4706, 72.2671, 105.0006 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(196, 224, 255) }
```


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

```
.border{ border-color:rgb(196, 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(196, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4706, 72.2671, 105.0006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 224, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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