

Converting Colors

XYZ(69.4128, 73.1171,
112.5694)

Have a look what the booklet for
XYZ(69.4128, 73.1171, 112.5694)
contains.

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Color

**XYZ(67.9944, 72.5371,
105.0251)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E0FF
RGB	198, 224, 255
RGB Percent	78%, 88%, 100%
CMY	0.2235, 0.1216, 0.0000
CMYK	0.22, 0.12, 0.00, 0.00
HSL	213°, 100%, 89%
HSV	213°, 22%, 100%
XYZ	67.9944, 72.5371, 105.0251
YIQ	219.7600, -25.4470, 4.1290

Conversions

Conversions Part 2

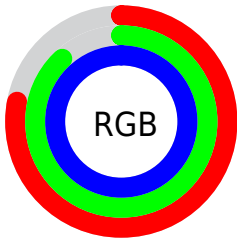
Format	Color
R_{YB}	198, 216, 255
Decimal	13033727
CIE _{Lab}	88.23, -2.07, -17.91
CIE _{LCh}	88, 18.028, 263.398
Yxy	72.5371, 0.2769, 0.2954
Android (android.graphics.Color)	4291223807 (0xFFC6E0FF)
YUV	219.7600, 17.3733, -19.0835
Hunter-Lab	85.1687, -6.5399, -13.4949

Details

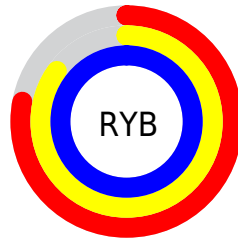
The XYZ color **67.9944, 72.5371, 105.0251** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.4523, 81.3751, 64.9473**, and the grayscale version is **67.7574, 71.2861, 77.6305**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7087, 38.2928, 58.9353** is the 20% darker color. If you saturate the color by 10%, you get **58.2544, 62.2088, 103.5449**, and if you desaturate by 10%, it is **79.1739, 84.0624, 106.6605**.

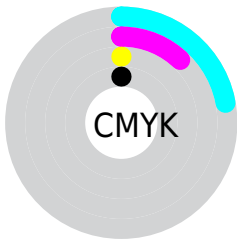
Distribution



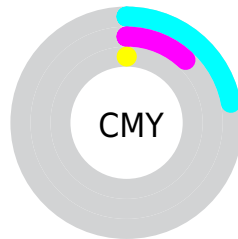
- Red (78%)
- Green (88%)
- Blue (100%)



- 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 67.9944, 72.5371, 105.0251 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 67.9944, 72.5371, 105.0251 by changing the saturation by 10% instead.

67.9944, 72.5371,
105.0251

67.9944, 72.5371,
105.0251

442.8532,
469.4089, 597.5700

50.1668, 53.5975,
79.8636

115.3861,
122.8198, 170.1577

35.7643, 38.2800,
59.0806

145.6809,
154.9318, 210.9659

24.4215, 26.2001,
42.2576

180.8622,
192.2034, 257.8268

15.7730, 16.9734,
28.9760

221.2954,
235.0189, 311.1589

9.4535, 10.2155,
18.8172

267.3457,
283.7629, 371.3807

5.0976, 5.5421,
11.3628

319.3785,

2.3400, 2.5687,

338.8196, 438.9108

6.1942

377.7592,
400.5735, 514.1677

■ 0.8150, 0.9110,
2.8928

■ 0.0000, 0.0000,
1.0402

■ 67.9944, 72.5371,
105.0251

■ 67.9944, 72.5371,
105.0251

■ 58.2544, 62.2088,
103.5449

■ 79.1739, 84.0624,
106.6605

■ 49.8841, 53.0253,
102.2135

■ 91.8464, 96.8172,
108.4545

■ 42.8165, 44.9427,
101.0259

■ 95.0500, 100.0000,
108.9000

■ 36.9760, 37.9106,
99.9764

■ 32.2786, 31.8735,
99.0587

■ 28.6280, 26.7693,
98.2659

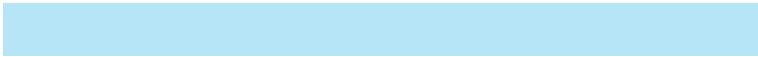
■ 25.9094, 22.5255,
97.5900

■ 24.3334, 19.7867,
97.1445

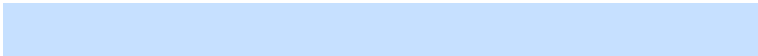
Harmonies

Analogous

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



64.1128, 72.5371, 99.6417



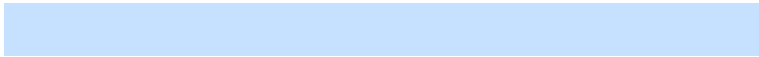
67.9944, 72.5371, 105.0251



72.2932, 72.5371, 102.8670

Triad

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



67.9944, 72.5371, 105.0251



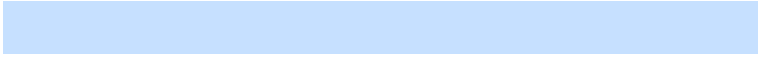
76.8459, 72.5371, 69.9121



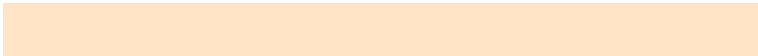
62.4935, 72.5371, 65.6380

Complementary

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



67.9944, 72.5371, 105.0251



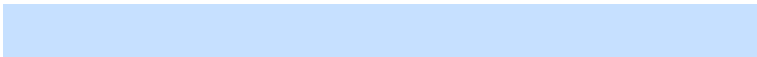
79.4523, 81.3751, 64.9473

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.



65.7006, 72.5371, 59.1115



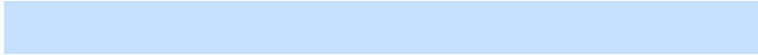
67.9944, 72.5371, 105.0251



74.0127, 72.5371, 61.3932

Square

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



67.9944, 72.5371, 105.0251



77.5224, 72.5371, 81.7454



69.9031, 72.5371, 57.6425



61.0236, 72.5371, 76.2788

Rectangle

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



67.9944, 72.5371, 105.0251



74.8056, 72.5371, 97.5421



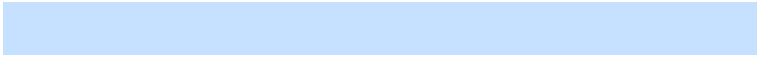
69.9031, 72.5371, 57.6425



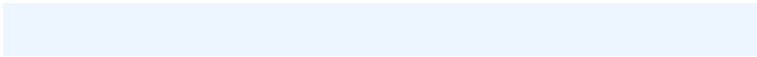
63.3975, 72.5371, 62.9371

Sweetspot

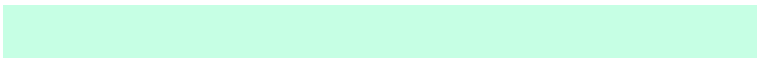
The Sweet Spot groups the original color and five complimentary colors.



67.9964, 72.5400, 105.0256



85.7663, 90.7326, 107.6005



73.1089, 89.1499, 87.0457



18.1937, 19.2557, 23.0078



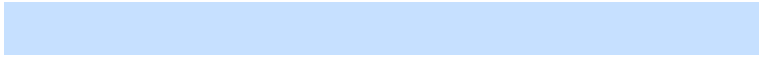
0.0000, 0.0000, 0.0000



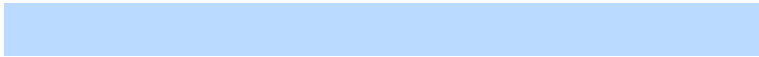
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9964, 72.5400, 105.0256



63.2933, 67.5922, 104.3184



62.0383, 59.8756, 102.8951



17.6856, 18.7429, 22.9356



12.8597, 10.6290, 50.8084



1.3597, 1.2501, 4.9829

Inverse Universe

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



74.8899, 67.0316, 79.5155



71.4277, 61.4799, 74.1295



86.4979, 96.4988, 67.4951



18.3540, 18.1249, 20.4812



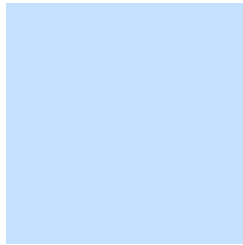
23.2792, 11.8010, 10.1206



2.3209, 1.1707, 1.2714

Previews

White Background



This preview shows how the XYZ color 67.9944, 72.5371, 105.0251 looks on a white background.

Color Contrast Check

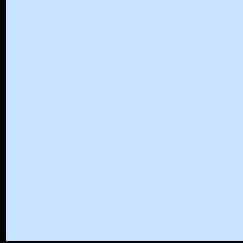
Large Text (above 18pt) WCAG AA × Fail

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 67.9944, 72.5371, 105.0251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

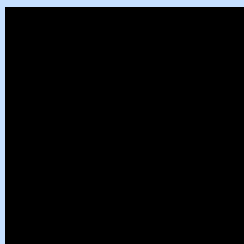
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

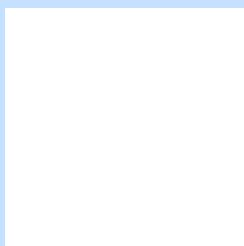
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9944, 72.5371, 105.0251

Background



This preview shows how black text looks on a background with the XYZ color 67.9944, 72.5371, 105.0251.



This preview shows how white text looks on a background with the XYZ color 67.9944, 72.5371,

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

67.9944, 72.5371, 105.0251

Protanopia

71.2211, 72.2902, 102.2951

Deuteranopia

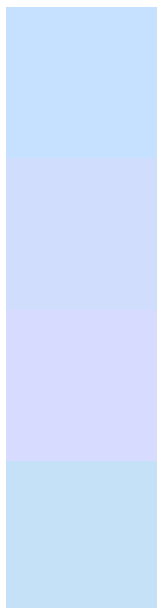
73.6572, 72.3393, 104.6885



Tritanopia

66.2904, 72.6601, 96.1189

Trichromacy



Original Color

67.9944, 72.5371, 105.0251

Protanomaly

69.8806, 72.3601, 103.2123

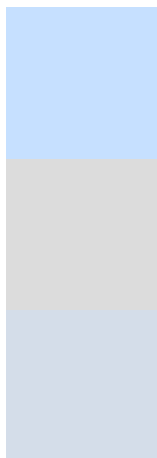
Deuteranomaly

71.4058, 72.3301, 104.8054

Tritanomaly

66.8944, 72.4981, 99.2747

Monochromacy



Original Color

67.9944, 72.5371, 105.0251

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 67.9944, 72.5371, 105.0251 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(198, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.9944, 72.5371, 105.0251 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(198, 224, 255) }
```


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

```
.border{ border-color:rgb(198, 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(198, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9944, 72.5371, 105.0251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 224, 255) }
```

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

```
.background{ background-color: rgb(198,  
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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