

Converting Colors

XYZ(68.9615, 72.3513,
111.5587)

Have a look what the booklet for
XYZ(68.9615, 72.3513, 111.5587)
contains.

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Color

**XYZ(67.7264, 72.0011,
104.9358)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DFFF
RGB	198, 223, 255
RGB Percent	78%, 87%, 100%
CMY	0.2235, 0.1255, 0.0000
CMYK	0.22, 0.13, 0.00, 0.00
HSL	214°, 100%, 89%
HSV	214°, 22%, 100%
XYZ	67.7264, 72.0011, 104.9358
YIQ	219.1730, -25.1720, 4.6520

Conversions

Conversions Part 2

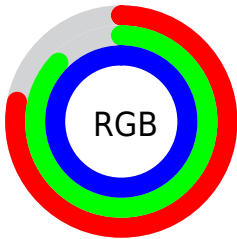
Format	Color
R_{YB}	198, 215, 255
Decimal	13033471
CIE _{Lab}	87.97, -1.55, -18.30
CIE _{LCh}	88, 18.362, 265.152
Yxy	72.0011, 0.2768, 0.2943
Android (android.graphics.Color)	4291223551 (0xFFC6DFFF)
YUV	219.1730, 17.6627, -18.5687
Hunter-Lab	84.8535, -6.0225, -13.9248

Details

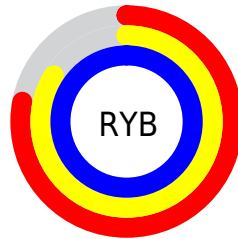
The XYZ color **67.7264, 72.0011, 104.9358** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.7298, 81.9302, 65.0398**, and the grayscale version is **67.3475, 70.8548, 77.1608**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5234, 37.9221, 58.8735** is the 20% darker color. If you saturate the color by 10%, you get **57.8983, 61.4966, 103.4262**, and if you desaturate by 10%, it is **79.0133, 83.7413, 106.6070**.

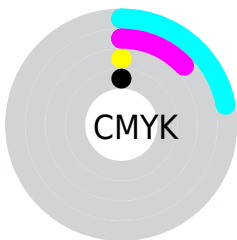
Distribution



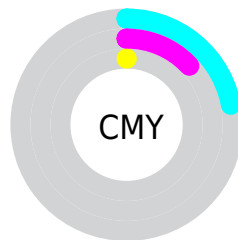
- Red (78%)
- Green (87%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7264, 72.0011, 104.9358 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 67.7264, 72.0011, 104.9358 by changing the saturation by 10% instead.

■ 67.7264, 72.0011,
104.9358

■ 67.7264, 72.0011,
104.9358

441.9180,
467.5454, 597.2853

■ 49.9480, 53.1596,
79.7892

115.0047,
122.0581, 170.0345

■ 35.5897, 37.9302,
59.0198

145.2354,
154.0424, 210.8238

■ 24.2862, 25.9285,
42.2089

180.3475,
191.1763, 257.6643

■ 15.6719, 16.7702,
28.9381

220.7065,
233.8444, 310.9747

■ 9.3817, 10.0708,
18.7888

266.6777,
282.4309, 371.1734

■ 5.0500, 5.4459,
11.3425

318.6264,

■ 2.3117, 2.5112,

337.3203, 438.6791

6.1807

376.9181,
398.8970, 513.9102

■ 0.8007, 0.8822,
2.8847

■ 0.0000, 0.0000,
1.0361

■ 67.7264, 72.0011,
104.9358

■ 67.7264, 72.0011,
104.9358

■ 57.8983, 61.4966,
103.4262

■ 79.0133, 83.7413,
106.6070

■ 49.4586, 52.1742,
102.0716

■ 91.8134, 96.7512,
108.4435

■ 42.3394, 43.9885,
100.8668

■ 95.0500, 100.0000,
108.9000

■ 36.4643, 36.8872,
99.8058

■ 31.7485, 30.8133,
98.8820

■ 28.0947, 25.7026,
98.0881

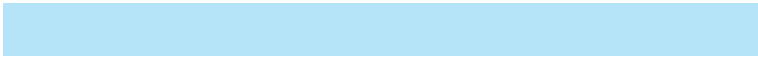
■ 25.3870, 21.4806,
97.4159

■ 23.8281, 18.7763,
96.9760

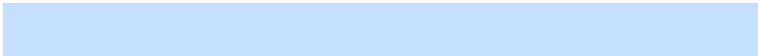
Harmonies

Analogous

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



63.7399, 72.0011, 99.8768



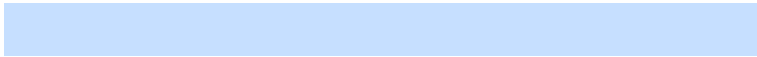
67.7264, 72.0011, 104.9358



72.0728, 72.0011, 102.2887

Triad

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



67.7264, 72.0011, 104.9358



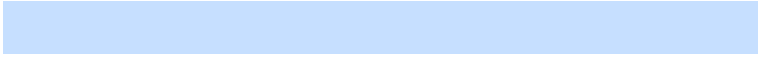
76.3353, 72.0011, 68.5969



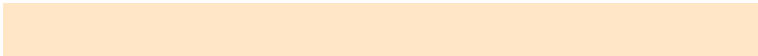
61.7609, 72.0011, 65.4210

Complementary

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



67.7264, 72.0011, 104.9358



79.7298, 81.9302, 65.0398

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.



64.9215, 72.0011, 58.5492



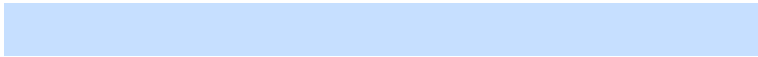
67.7264, 72.0011, 104.9358



73.3550, 72.0011, 60.2413

Square

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



67.7264, 72.0011, 104.9358



77.1637, 72.0011, 80.4507



69.1483, 72.0011, 56.7584



60.3905, 72.0011, 76.3784

Rectangle

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



67.7264, 72.0011, 104.9358



74.5738, 72.0011, 96.6439



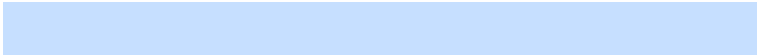
69.1483, 72.0011, 56.7584



62.6425, 72.0011, 62.6047

Sweetspot

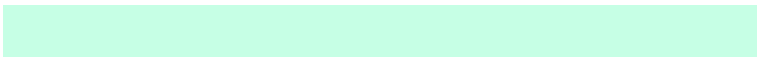
The Sweet Spot groups the original color and five complimentary colors.



67.7284, 72.0039, 104.9362



85.6715, 90.5430, 107.5689



73.2415, 89.2030, 87.7439



18.1718, 19.2118, 23.0004



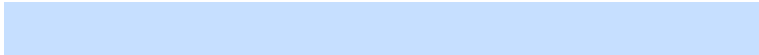
0.0000, 0.0000, 0.0000



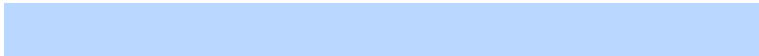
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7284, 72.0039, 104.9362



62.9820, 66.9695, 104.2147



62.2926, 60.0067, 102.9070



17.6586, 18.6888, 22.9265



12.5934, 10.0963, 50.7196



1.3327, 1.1961, 4.9739

Inverse Universe

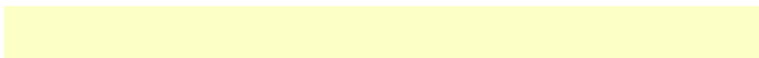
The Inverse Universe completely reimagines the original color for something new.



74.7547, 66.9775, 78.8032



71.2706, 61.4171, 73.3020



86.1527, 96.3208, 67.4790



18.3403, 18.1194, 20.4093



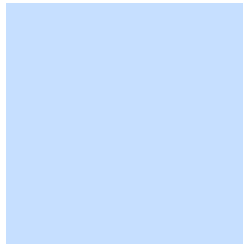
23.1448, 11.7472, 9.4127



2.3073, 1.1653, 1.1996

Previews

White Background



This preview shows how the XYZ color 67.7264, 72.0011, 104.9358 looks on a white background.

Color Contrast Check

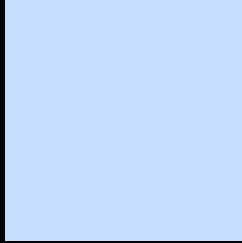
Large Text (above 18pt) WCAG AA × Fail

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 67.7264, 72.0011, 104.9358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

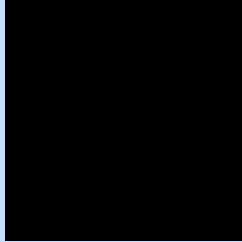
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

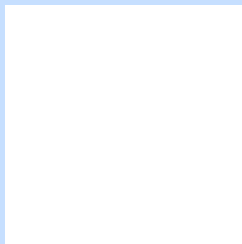
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7264, 72.0011, 104.9358

Background



This preview shows how black text looks on a background with the XYZ color 67.7264, 72.0011, 104.9358.



This preview shows how white text looks on a background with the XYZ color 67.7264, 72.0011,

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

67.7264, 72.0011, 104.9358

Protanopia

70.9265, 72.1384, 102.2813

Deuteranopia

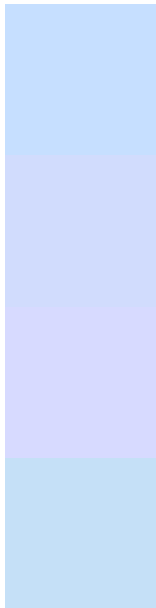
73.0909, 71.6682, 104.5888



Tritanopia

65.8678, 72.0573, 95.2309

Trichromacy



Original Color

67.7264, 72.0011, 104.9358

Protanomaly

69.6173, 71.8336, 103.1245

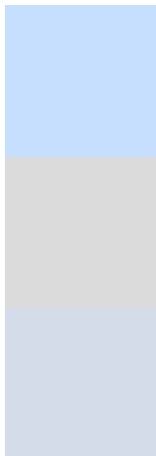
Deuteranomaly

71.1457, 71.8099, 104.7187

Tritanomaly

66.4701, 71.8970, 98.3699

Monochromacy



Original Color

67.7264, 72.0011, 104.9358

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.0227, 70.8615, 86.4891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7264, 72.0011, 104.9358 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7264, 72.0011, 104.9358 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, 223, 255) }
```


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

```
.border{ border-color:rgb(198, 223, 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, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7264, 72.0011, 104.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 255) }
```

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

```
.background{ background-color: rgb(198,  
223, 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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