

Converting Colors

XYZ(68.5591, 72.3010,
104.9498)

Have a look what the booklet for
XYZ(68.5591, 72.3010, 104.9498)
contains.

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Color

**XYZ(68.5251, 72.4129,
104.9732)**

Conversions

Conversions Part 1

Format	Color
Hex	C9DFFF
RGB	201, 223, 255
RGB Percent	79%, 87%, 100%
CMY	0.2118, 0.1255, 0.0000
CMYK	0.21, 0.13, 0.00, 0.00
HSL	216°, 100%, 89%
HSV	216°, 21%, 100%
XYZ	68.5251, 72.4129, 104.9732
YIQ	220.0700, -23.3840, 5.2880

Conversions

Conversions Part 2

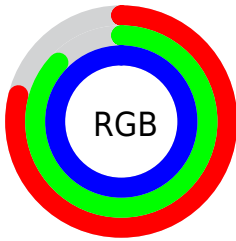
Format	Color
R _Y B	201, 217, 255
Decimal	13230079
CIE Lab	88.17, -0.66, -17.98
CIE LCh	88, 17.991, 267.911
Yxy	72.4129, 0.2787, 0.2945
Android (android.graphics.Color)	4291420159 (0xFFC9DFFF)
YUV	220.0700, 17.2205, -16.7244
Hunter-Lab	85.0958, -5.1768, -13.5724

Details

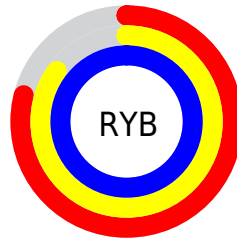
The XYZ color **68.5251, 72.4129, 104.9732** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9213, 83.7540, 67.1612**, and the grayscale version is **67.9734, 71.5133, 77.8780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0497, 38.1935, 58.8981** is the 20% darker color. If you saturate the color by 10%, you get **58.3726, 61.4528, 103.3928**, and if you desaturate by 10%, it is **80.1798, 84.6859, 106.7278**.

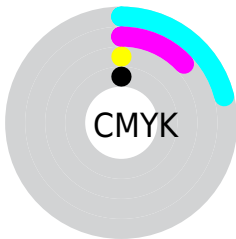
Distribution



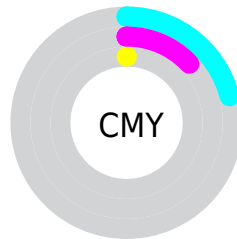
- Red (79%)
- Green (87%)
- Blue (100%)



- Red (79%)
- Yellow (85%)
- Blue (100%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5251, 72.4129, 104.9732 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 68.5251, 72.4129, 104.9732 by changing the saturation by 10% instead.

■ 68.5251, 72.4129,
104.9732

■ 68.5251, 72.4129,
104.9732

444.7018,
468.9775, 597.4046

■ 50.6003, 53.4960,
79.8204

116.1408,
122.6434, 170.0861

■ 36.1103, 38.1989,
59.0453

146.5624,
154.7258, 210.8833

■ 24.6899, 26.1371,
42.2293

181.8803,
191.9655, 257.7324

■ 15.9737, 16.9262,
28.9540

222.4599,
234.7469, 311.0518

■ 9.5963, 10.1819,
18.8007

268.6665,
283.4544, 371.2602

■ 5.1923, 5.5197,
11.3510

320.8654,

■ 2.3964, 2.5553,

338.4724, 438.7761

6.1863

379.4221,
400.1853, 514.0181

■ 0.8433, 0.9043,
2.8881

■ 0.0000, 0.0000,
1.0378

■ 68.5251, 72.4129,
104.9732

■ 68.5251, 72.4129,
104.9732

■ 58.3726, 61.4528,
103.3928

■ 80.1798, 84.6859,
106.7278

■ 49.6507, 51.7494,
101.9795

■ 93.3920, 98.3081,
108.6608

■ 42.2910, 43.2545,
100.7277

■ 95.0500, 100.0000,
108.9000

■ 36.2161, 35.9133,
99.6309

■ 31.3407, 29.6658,
98.6820

■ 27.5674, 24.4451,
97.8732

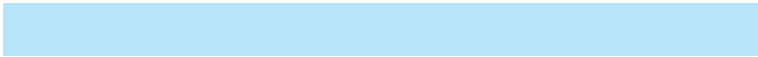
■ 24.7810, 20.1742,
97.1956

■ 22.9906, 17.1011,
96.6969

Harmonies

Analogous

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



64.5240, 72.4129, 100.6714



68.5251, 72.4129, 104.9732



72.7721, 72.4129, 101.6915

Triad

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



68.5251, 72.4129, 104.9732



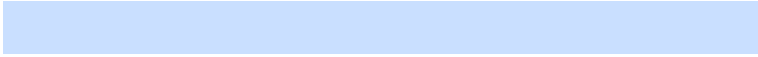
76.3992, 72.4129, 68.2662



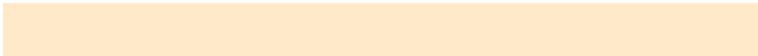
62.0522, 72.4129, 66.9160

Complementary

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



68.5251, 72.4129, 104.9732



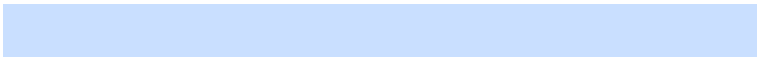
80.9213, 83.7540, 67.1612

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.



65.0258, 72.4129, 59.7060



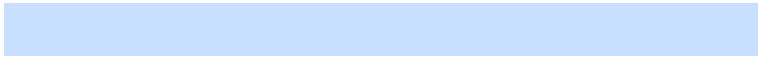
68.5251, 72.4129, 104.9732



73.3156, 72.4129, 60.4266

Square

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



68.5251, 72.4129, 104.9732



77.4296, 72.4129, 79.7123



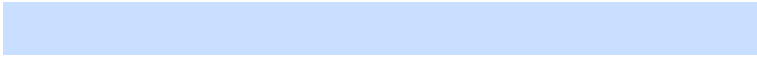
69.1284, 72.4129, 57.4581



60.8851, 72.4129, 77.9846

Rectangle

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



68.5251, 72.4129, 104.9732



75.1503, 72.4129, 95.8175



69.1284, 72.4129, 57.4581



62.8674, 72.4129, 64.0059

Sweetspot

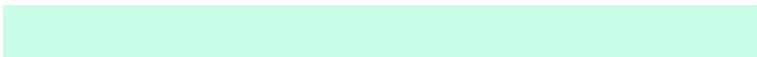
The Sweet Spot groups the original color and five complimentary colors.



68.5271, 72.4158, 104.9736



86.8192, 91.5643, 107.7056



74.4850, 89.7926, 90.1237



18.3985, 19.4084, 23.0264



0.0000, 0.0000, 0.0000



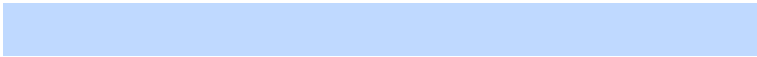
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5271, 72.4158, 104.9736



64.4699, 68.0710, 104.3488



64.2530, 62.0453, 103.1972



17.6107, 18.5930, 22.9106



12.1507, 9.2111, 50.5721



1.2872, 1.1050, 4.9587

Inverse Universe

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



75.4472, 68.3626, 79.0341



72.4791, 63.6523, 74.2658



85.9068, 96.1537, 69.2918



18.3162, 18.1098, 20.2820



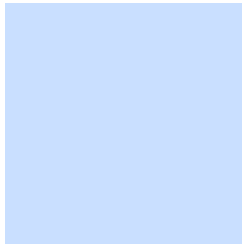
22.9213, 11.6578, 8.2362



2.2843, 1.1561, 1.0786

Previews

White Background



This preview shows how the XYZ color 68.5251, 72.4129, 104.9732 looks on a white background.

Color Contrast Check

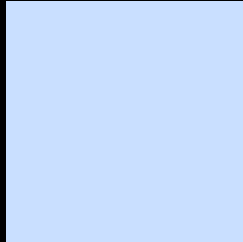
Large Text (above 18pt) WCAG AA × Fail

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 68.5251, 72.4129, 104.9732 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

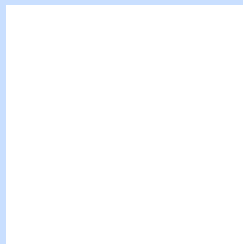
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5251, 72.4129, 104.9732

Background



This preview shows how black text looks on a background with the XYZ color 68.5251, 72.4129, 104.9732.



This preview shows how white text looks on a background with the XYZ color 68.5251, 72.4129,

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

68.5251, 72.4129, 104.9732

Protanopia

70.9265, 72.1384, 102.2813

Deuteranopia

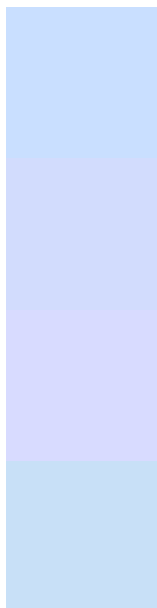
73.6572, 72.3393, 104.6885



Tritanopia

66.6561, 72.4636, 95.2677

Trichromacy



Original Color

68.5251, 72.4129, 104.9732

Protanomaly

69.9012, 71.9799, 103.1378

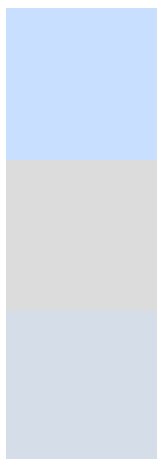
Deuteranomaly

71.7004, 72.4820, 104.8191

Tritanomaly

67.2636, 72.3061, 98.4070

Monochromacy



Original Color

68.5251, 72.4129, 104.9732

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.0050, 71.7422, 87.3542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5251, 72.4129, 104.9732 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(201, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5251, 72.4129, 104.9732 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(201, 223, 255) }
```


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

```
.border{ border-color:rgb(201, 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(201, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5251, 72.4129, 104.9732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 223, 255) }
```

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

```
.background{ background-color: rgb(201,  
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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