

Converting Colors

XYZ(68.2656, 73.8064,
102.2268)

Have a look what the booklet for
XYZ(68.2656, 73.8064, 102.2268)
contains.

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Color

**XYZ(68.4349, 74.0453,
101.9521)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E3FB
RGB	199, 227, 251
RGB Percent	78%, 89%, 98%
CMY	0.2196, 0.1098, 0.0157
CMYK	0.21, 0.10, 0.00, 0.02
HSL	208°, 87%, 88%
HSV	208°, 21%, 98%
XYZ	68.4349, 74.0453, 101.9521
YIQ	221.3640, -24.3920, 1.5280

Conversions

Conversions Part 2

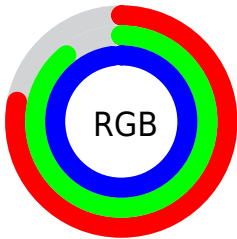
Format	Color
R _Y B	199, 217, 251
Decimal	13100027
CIE Lab	88.94, -4.20, -14.73
CIE LCh	89, 15.313, 254.075
Yxy	74.0453, 0.2800, 0.3029
Android (android.graphics.Color)	4291290107 (0xFFC7E3FB)
YUV	221.3640, 14.6105, -19.6132
Hunter-Lab	86.0496, -8.6264, -10.0125

Details

The XYZ color **68.4349, 74.0453, 101.9521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.4810, 77.4085, 64.9450**, and the grayscale version is **68.8976, 72.4856, 78.9368**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9917, 39.3294, 56.7333** is the 20% darker color. If you saturate the color by 10%, you get **59.2545, 64.7682, 100.6465**, and if you desaturate by 10%, it is **78.9313, 84.3210, 103.3835**.

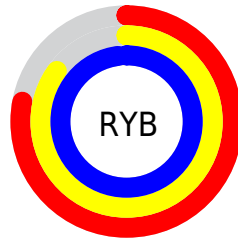
Distribution



Red (78%)

Green (89%)

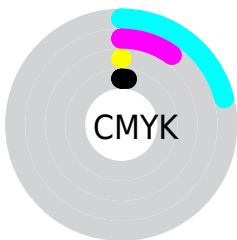
Blue (98%)



Red (78%)

Yellow (85%)

Blue (98%)

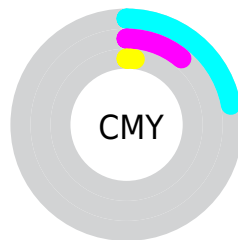


Cyan (21%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (22%)

Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4349, 74.0453, 101.9521 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 68.4349, 74.0453, 101.9521 by changing the saturation by 10% instead.

■ 68.4349, 74.0453,
101.9521

■ 68.4349, 74.0453,
101.9521

444.3880,
474.6297, 587.7334

■ 50.5266, 54.8311,
77.3059

116.0126,
124.9600, 165.9125

■ 36.0515, 39.2665,
56.9909

146.4127,
157.4293, 206.0637

■ 24.6443, 26.9671,
40.5886

181.7074,
195.0858, 252.2203

■ 15.9395, 17.5485,
27.6805

222.2621,
238.3139, 304.8008

■ 9.5720, 10.6264,
17.8480

268.4421,
287.4979, 364.2239

■ 5.1762, 5.8162,
10.6726

320.6129,

■ 2.3868, 2.7336,

343.0223, 430.9080

5.7358

379.1397,
405.2714, 505.2716

■ 0.8385, 0.9943,
2.6189

■ 0.0000, 0.0000,
0.9022

■ 68.4349, 74.0453,
101.9521

■ 68.4349, 74.0453,
101.9521

■ 59.2545, 64.7682,
100.6465

■ 78.9313, 84.3210,
103.3835

■ 51.3255, 56.4447,
99.4578

■ 90.7912, 95.6202,
104.9394

■ 44.5875, 49.0390,
98.3835

■ 94.4128, 99.7451,
105.5447

■ 38.9720, 42.5093,
97.4191

■ 34.4028, 36.8096,
96.5598

■ 30.7931, 31.8880,
95.8001

■ 28.0397, 27.6839,
95.1337

■ 26.1000, 24.3395,
94.5904

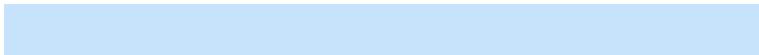
Harmonies

Analogous

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



65.3668, 74.0453, 95.7160



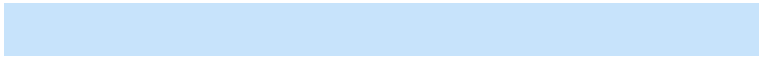
68.4349, 74.0453, 101.9521



72.1304, 74.0453, 102.1523

Triad

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



68.4349, 74.0453, 101.9521



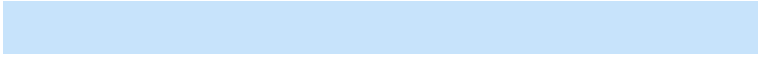
77.5408, 74.0453, 75.7465



65.5223, 74.0453, 66.7928

Complementary

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



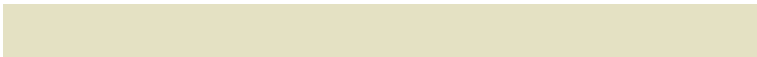
68.4349, 74.0453, 101.9521



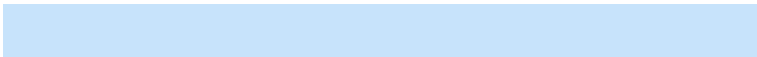
76.4810, 77.4085, 64.9450

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.



68.6539, 74.0453, 62.3530



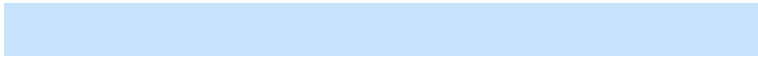
68.4349, 74.0453, 101.9521



75.6386, 74.0453, 67.2059

Square

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



68.4349, 74.0453, 101.9521



77.4771, 74.0453, 86.3706



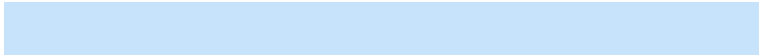
72.3572, 74.0453, 62.4973



63.7261, 74.0453, 75.1357

Rectangle

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



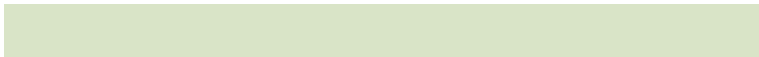
68.4349, 74.0453, 101.9521



74.4588, 74.0453, 98.7941



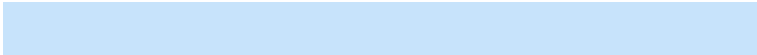
72.3572, 74.0453, 62.4973



66.4488, 74.0453, 64.8285

Sweetspot

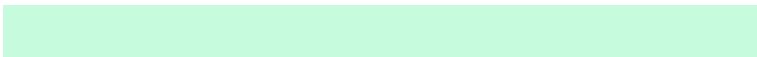
The Sweet Spot groups the original color and five complimentary colors.



68.4371, 74.0483, 101.9538



87.4321, 92.7902, 107.9099



71.2904, 86.4334, 82.3162



18.5433, 19.6980, 23.0747



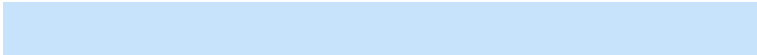
0.0000, 0.0000, 0.0000



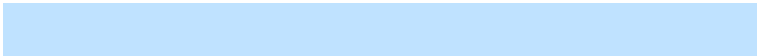
20.3446, 21.4041, 23.3091

Same Dimension

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



68.4371, 74.0483, 101.9538



66.6810, 72.4933, 105.0859



61.9943, 61.1626, 99.8062



17.0573, 18.1915, 21.9976



13.8665, 13.0886, 49.7691



1.3904, 1.4244, 4.6448

Inverse Universe

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



74.0741, 66.9040, 81.6860



73.5952, 64.0987, 80.1430



83.7844, 92.0152, 67.3794



17.6355, 17.3815, 19.9361



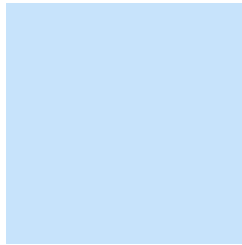
23.2912, 11.7322, 13.5078



2.2107, 1.1080, 1.5330

Previews

White Background



This preview shows how the XYZ color 68.4349, 74.0453, 101.9521 looks on a white background.

Color Contrast Check

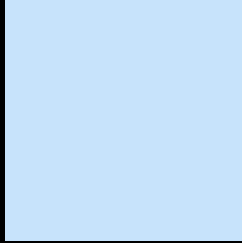
Large Text (above 18pt) WCAG AA × Fail

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 68.4349, 74.0453, 101.9521 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

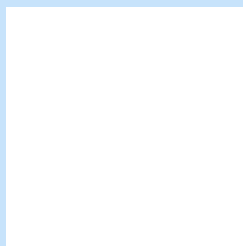
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4349, 74.0453, 101.9521

Background



This preview shows how black text looks on a background with the XYZ color 68.4349, 74.0453, 101.9521.



This preview shows how white text looks on a background with the XYZ color 68.4349, 74.0453,

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

68.4349, 74.0453, 101.9521

Protanopia

72.1602, 73.6439, 98.4071

Deuteranopia

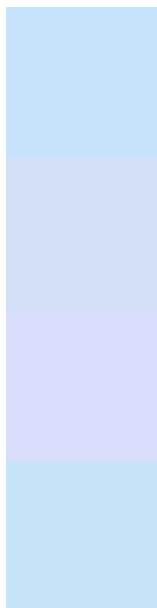
75.4975, 73.7065, 103.1761



Tritanopia

67.6667, 74.1464, 97.9340

Trichromacy



Original Color

68.4349, 74.0453, 101.9521

Protanomaly

70.4823, 73.5497, 99.2886

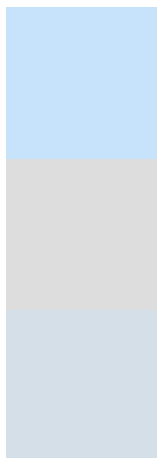
Deuteranomaly

72.6406, 73.8012, 102.5120

Tritanomaly

67.9754, 74.2699, 99.5598

Monochromacy



Original Color

68.4349, 74.0453, 101.9521

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3937, 72.7477, 86.7809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4349, 74.0453, 101.9521 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, 227, 251)` looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 251)  
}
```

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, 227, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 251) }
```

Border

The CSS property to change the border of an element to XYZ 68.4349, 74.0453, 101.9521 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, 227, 251) }
```


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

```
.border{ border-color:rgb(199, 227, 251) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 227, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 227, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 227, 251);  
box-shadow:4px 4px 4px 4px rgb(199, 227,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4349, 74.0453, 101.9521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 227, 251) }
```

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

```
.background{ background-color: rgb(199,  
227, 251) }
```

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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