

Converting Colors

XYZ(68.8997, 74.5895,
100.3770)

Have a look what the booklet for
XYZ(68.8997, 74.5895, 100.3770)
contains.

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Color

**XYZ(68.9297, 74.7439,
100.4166)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E4F9
RGB	201, 228, 249
RGB Percent	79%, 89%, 98%
CMY	0.2118, 0.1059, 0.0235
CMYK	0.19, 0.08, 0.00, 0.02
HSL	206°, 80%, 88%
HSV	206°, 19%, 98%
XYZ	68.9297, 74.7439, 100.4166
YIQ	222.3210, -22.8330, 0.8070

Conversions

Conversions Part 2

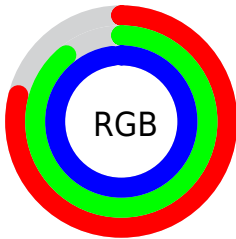
Format	Color
R _Y B	201, 218, 249
Decimal	13231353
CIE Lab	89.27, -4.54, -13.17
CIE LCh	89, 13.932, 250.972
Yxy	74.7439, 0.2824, 0.3062
Android (android.graphics.Color)	4291421433 (0xFFC9E4F9)
YUV	222.3210, 13.1527, -18.6985
Hunter-Lab	86.4546, -8.9785, -8.3469

Details

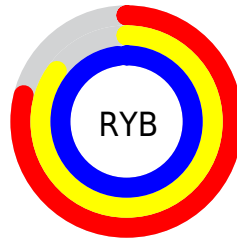
The XYZ color **68.9297, 74.7439, 100.4166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.7315, 76.5994, 66.0536**, and the grayscale version is **69.5813, 73.2050, 79.7202**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4233, 39.8484, 56.2239** is the 20% darker color. If you saturate the color by 10%, you get **59.8686, 65.7654, 99.1624**, and if you desaturate by 10%, it is **79.2691, 84.6655, 101.7879**.

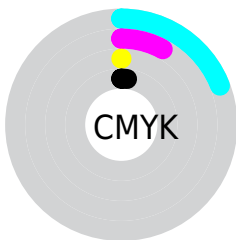
Distribution



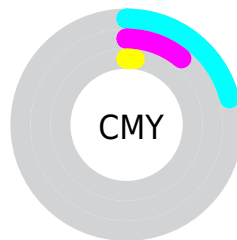
- Red (79%)
- Green (89%)
- Blue (98%)



- Red (79%)
- Yellow (85%)
- Blue (98%)



- Cyan (19%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (21%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9297, 74.7439, 100.4166 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 68.9297, 74.7439, 100.4166 by changing the saturation by 10% instead.

■ 68.9297, 74.7439,
100.4166

■ 68.9297, 74.7439,
100.4166

446.1082,
477.0369, 582.7856

■ 50.9309, 55.4031,
76.0297

116.7158,
125.9498, 163.7864

■ 36.3744, 39.7246,
55.9500

147.2338,
158.5836, 203.6064

■ 24.8950, 27.3239,
39.7591

182.6555,
196.4173, 249.4079

■ 16.1271, 17.8166,
27.0384

223.3464,
239.8352, 301.6093

■ 9.7056, 10.8184,
17.3694

269.6717,
289.2218, 360.6292

■ 5.2649, 5.9448,
10.3335

321.9969,

■ 2.4399, 2.8116,

344.9613, 426.8862

5.5121

380.6873,
407.4382, 500.7988

■ 0.8650, 1.0342,
2.4868

■ 0.0000, 0.0000,
0.8332

■ 68.9297, 74.7439,
100.4166

■ 68.9297, 74.7439,
100.4166

■ 59.8686, 65.7654,
99.1624

■ 79.2691, 84.6655,
101.7879

■ 52.0235, 57.6870,
98.0166

■ 90.9321, 95.5528,
103.2747

■ 45.3365, 50.4755,
96.9770

■ 94.0991, 99.6196,
103.8927

■ 39.7421, 44.0917,
96.0397

■ 35.1675, 38.4926,
95.2001

■ 31.5301, 33.6297,
94.4531

■ 28.7323, 29.4467,
93.7932

■ 26.6268, 25.8615,
93.2122

■ 26.4886, 25.6186,
93.1726

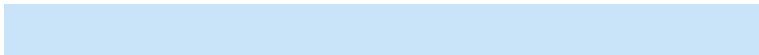
Harmonies

Analogous

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



66.2148, 74.7439, 94.3002



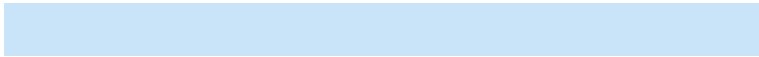
68.9297, 74.7439, 100.4166



72.2946, 74.7439, 101.2025

Triad

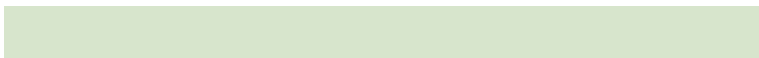
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9297, 74.7439, 100.4166



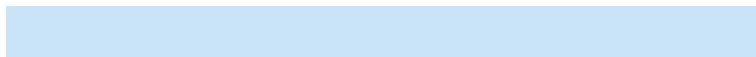
77.6614, 74.7439, 77.8684



66.8370, 74.7439, 68.0380

Complementary

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



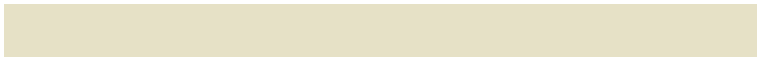
68.9297, 74.7439, 100.4166



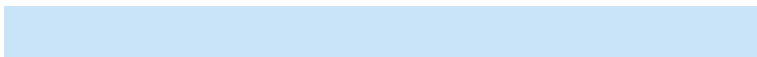
75.7315, 76.5994, 66.0536

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.



69.8036, 74.7439, 64.3370



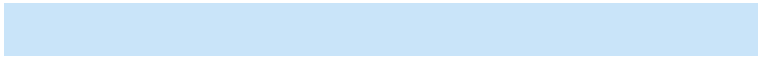
68.9297, 74.7439, 100.4166



76.0979, 74.7439, 69.7035

Square

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



68.9297, 74.7439, 100.4166



77.4092, 74.7439, 87.6475



73.1967, 74.7439, 64.9214



65.0336, 74.7439, 75.4251

Rectangle

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



68.9297, 74.7439, 100.4166



74.4628, 74.7439, 98.5326



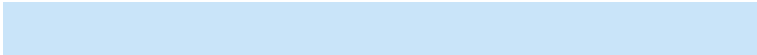
73.1967, 74.7439, 64.9214



67.7273, 74.7439, 66.3493

Sweetspot

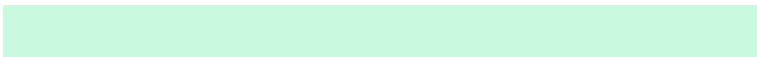
The Sweet Spot groups the original color and five complimentary colors.



68.9319, 74.7470, 100.4183



87.5453, 93.0166, 107.9476



71.1226, 85.4335, 81.7100



18.5701, 19.7515, 23.0836



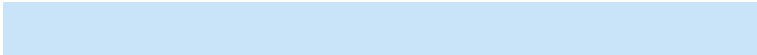
0.0000, 0.0000, 0.0000



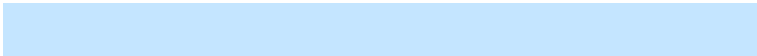
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9319, 74.7470, 100.4183



69.0207, 75.2320, 105.4912



62.8283, 62.5396, 98.3837



17.0932, 18.2633, 22.0095



14.3228, 14.0011, 49.9211



1.4321, 1.5078, 4.6587

Inverse Universe

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



73.9590, 67.5162, 82.5362



75.2499, 66.5743, 83.2649



82.5058, 90.1481, 68.3118



17.6536, 17.3888, 20.0315



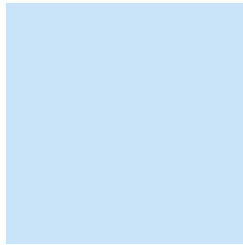
23.5215, 11.8243, 14.7205



2.2318, 1.1164, 1.6439

Previews

White Background



This preview shows how the XYZ color 68.9297, 74.7439, 100.4166 looks on a white background.

Color Contrast Check

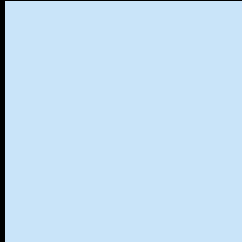
Large Text (above 18pt) WCAG AA × Fail

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 68.9297, 74.7439, 100.4166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

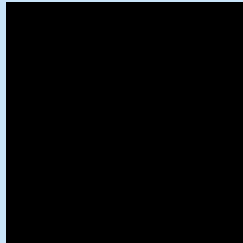
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

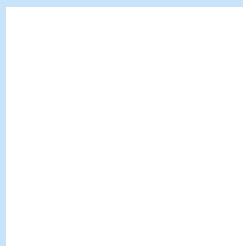
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9297, 74.7439, 100.4166

Background



This preview shows how black text looks on a background with the XYZ color 68.9297, 74.7439, 100.4166.



This preview shows how white text looks on a background with the XYZ color 68.9297, 74.7439,

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

68.9297, 74.7439, 100.4166

Protanopia

72.7269, 74.3647, 96.9069

Deuteranopia

76.0883, 74.4315, 101.6232



Tritanopia

68.6193, 74.6197, 98.7821

Trichromacy



Original Color

68.9297, 74.7439, 100.4166

Protanomaly

71.0218, 74.2613, 97.7794

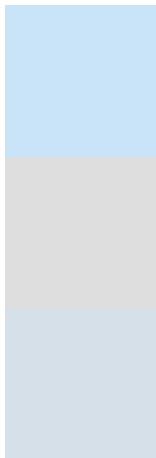
Deuteranomaly

73.1954, 74.5168, 100.9679

Tritanomaly

68.7741, 74.6816, 99.5972

Monochromacy



Original Color

68.9297, 74.7439, 100.4166

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.9527, 73.4336, 86.8838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9297, 74.7439, 100.4166 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, 228, 249)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 249)  
}
```

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, 228, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.9297, 74.7439, 100.4166 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, 228, 249) }
```


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

```
.border{ border-color:rgb(201, 228, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 228, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(201, 228,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9297, 74.7439, 100.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 249) }
```

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

```
.background{ background-color: rgb(201,  
228, 249) }
```

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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