

Converting Colors

XYZ(68.1042, 69.9045,
101.9005)

Have a look what the booklet for
XYZ(68.1042, 69.9045, 101.9005)
contains.

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Color

**XYZ(68.1157, 69.9194,
102.0012)**

Conversions

Conversions Part 1

Format	Color
Hex	CFD9FC
RGB	207, 217, 252
RGB Percent	81%, 85%, 99%
CMY	0.1882, 0.1490, 0.0118
CMYK	0.18, 0.14, 0.00, 0.01
HSL	227°, 88%, 90%
HSV	227°, 18%, 99%
XYZ	68.1157, 69.9194, 102.0012
YIQ	218.0000, -17.1950, 8.7650

Conversions

Conversions Part 2

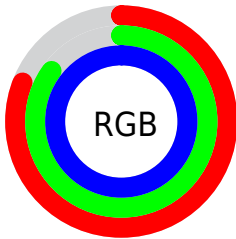
Format	Color
R _Y B	207, 215, 252
Decimal	13621756
CIE Lab	86.96, 3.66, -18.18
CIE LCh	87, 18.547, 281.392
Yxy	69.9194, 0.2838, 0.2913
Android (android.graphics.Color)	4291811836 (0xFFCFD9FC)
YUV	218.0000, 16.7620, -9.6470
Hunter-Lab	83.6178, -0.9238, -13.7924

Details

The XYZ color **68.1157, 69.9194, 102.0012** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.1601, 88.7047, 71.7719**, and the grayscale version is **66.5389, 70.0042, 76.2345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7196, 36.4562, 56.7839** is the 20% darker color. If you saturate the color by 10%, you get **56.8742, 57.0665, 100.1140**, and if you desaturate by 10%, it is **81.0850, 84.5571, 104.1441**.

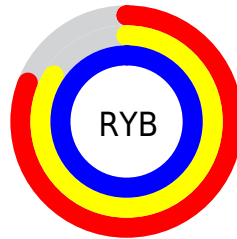
Distribution



Red (81%)

Green (85%)

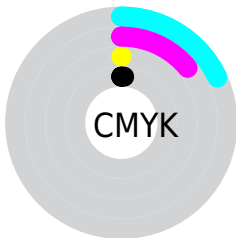
Blue (99%)



Red (81%)

Yellow (84%)

Blue (99%)

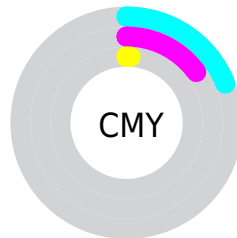


Cyan (18%)

Magenta (14%)

Yellow (0%)

Black (1%)



Cyan (19%)

Magenta (15%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1157, 69.9194, 102.0012 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 68.1157, 69.9194, 102.0012 by changing the saturation by 10% instead.

■ 68.1157, 69.9194,
102.0012

■ 68.1157, 69.9194,
102.0012

443.2761,
460.2670, 587.8912

■ 50.2659, 51.4608,
77.3467

115.5586,
119.0938, 165.9804

■ 35.8434, 36.5755,
57.0242

145.8825,
150.5784, 206.1421

■ 24.4828, 24.8790,
40.6152

181.0951,
187.1739, 252.3101

■ 15.8188, 15.9869,
27.7011

221.5617,
229.2645, 304.9027

■ 9.4861, 9.5149,
17.8634

267.6478,
277.2347, 364.3386

■ 5.1192, 5.0785,
10.6835

319.7186,

■ 2.3528, 2.2934,

331.4690, 431.0363

5.7430

378.1396,
392.3516, 505.4143

■ 0.8215, 0.7702,
2.6232

■ 0.0000, 0.0000,
0.9044

■ 68.1157, 69.9194,
102.0012

■ 68.1157, 69.9194,
102.0012

■ 56.8742, 57.0665,
100.1140

■ 81.0850, 84.5571,
104.1441

■ 47.2801, 45.9206,
98.4683

94.5709, 99.8084,
106.3771

■ 39.2558, 36.4107,
97.0556

■ 32.7150, 28.4573,
95.8652

■ 27.5625, 21.9740,
94.8853

■ 23.6917, 16.8653,
94.1033

■ 20.9790, 13.0235,
93.5047

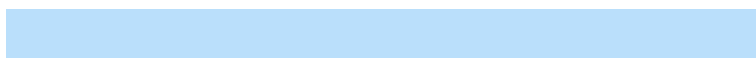
■ 19.2656, 10.3174,
93.0727

■ 18.9857, 9.8580,
92.9987

Harmonies

Analogous

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



63.8328, 69.9194, 101.0593



68.1157, 69.9194, 102.0012



72.1193, 69.9194, 95.4725

Triad

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



68.1157, 69.9194, 102.0012



72.9053, 69.9194, 61.4169



58.8682, 69.9194, 68.7668

Complementary

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



68.1157, 69.9194, 102.0012



83.1601, 88.7047, 71.7719

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.



61.0978, 69.9194, 59.5947



68.1157, 69.9194, 102.0012



69.1507, 69.9194, 55.6802

Square

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



68.1157, 69.9194, 102.0012



74.9637, 69.9194, 71.5135



64.8241, 69.9194, 55.0516



58.6182, 69.9194, 80.9417

Rectangle

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



68.1157, 69.9194, 102.0012



74.0430, 69.9194, 88.1376



64.8241, 69.9194, 55.0516



59.4063, 69.9194, 65.2664

Sweetspot

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



68.1178, 69.9223, 102.0028



87.4316, 91.4972, 107.6603



76.4960, 89.2684, 96.8113



18.4928, 19.3366, 23.0076



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.



68.1178, 69.9223, 102.0028



66.1416, 67.4661, 104.1440



69.0985, 66.7157, 101.3322



16.5959, 17.2686, 21.8438



9.9787, 5.3130, 48.4731



0.9995, 0.6426, 4.5145

Inverse Universe

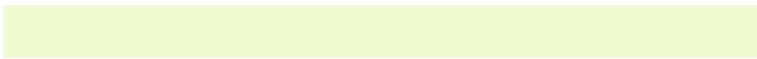
The Inverse Universe completely reimagines the original color for something new.



74.9839, 70.3326, 75.2723



74.2868, 68.0654, 72.4084



82.0094, 92.6524, 72.5945



17.4026, 17.2884, 18.7096



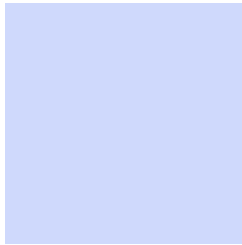
21.3288, 10.9472, 3.1740



2.0134, 1.0291, 0.4940

Previews

White Background



This preview shows how the XYZ color 68.1157, 69.9194, 102.0012 looks on a white background.

Color Contrast Check

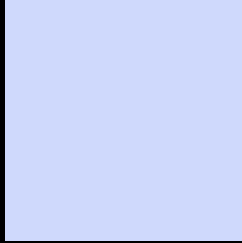
Large Text (above 18pt) WCAG AA × Fail

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 68.1157, 69.9194, 102.0012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

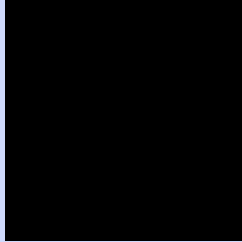
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1157, 69.9194, 102.0012

Background



This preview shows how black text looks on a background with the XYZ color 68.1157, 69.9194, 102.0012.

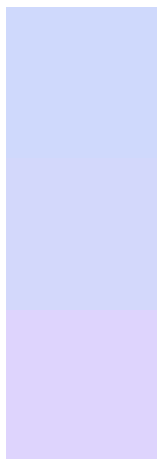


This preview shows how white text looks on a background with the XYZ color 68.1157, 69.9194,

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

68.1157, 69.9194, 102.0012

Protanopia

68.8324, 69.9257, 101.1359

Deuteranopia

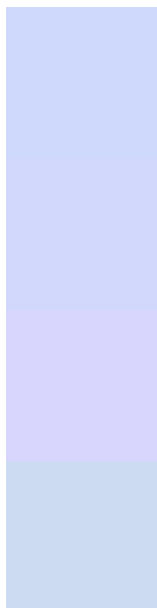
71.3973, 69.7084, 102.6205



Tritanopia

65.7811, 70.1382, 90.1918

Trichromacy



Original Color

68.1157, 69.9194, 102.0012

Protanomaly

68.5468, 69.7784, 101.1226

Deuteranomaly

70.3915, 69.9367, 102.7176

Tritanomaly

66.5354, 70.0530, 94.0192

Monochromacy



Original Color

68.1157, 69.9194, 102.0012

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.0859, 70.1521, 84.8678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1157, 69.9194, 102.0012 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(207, 217, 252)` looks like.

```
.text, #text, p{  
    color:rgb(207, 217, 252)  
}
```

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(207, 217, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 217, 252) }
```

Border

The CSS property to change the border of an element to XYZ 68.1157, 69.9194, 102.0012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

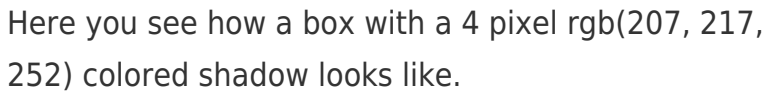
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 217, 252) }
```


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

```
.border{ border-color:rgb(207, 217, 252) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 217, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 217, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 217, 252);  
box-shadow:4px 4px 4px 4px rgb(207, 217,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1157, 69.9194, 102.0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 217, 252) }
```

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

```
.background{ background-color: rgb(207,  
217, 252) }
```

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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