

Converting Colors

XYZ(66.2241, 69.7738,
102.1539)

Have a look what the booklet for
XYZ(66.2241, 69.7738, 102.1539)
contains.

XYZ(66.1909, 69.6971, 102.0597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.1909, 69.6971,
102.0597)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DBFC
RGB	198, 219, 252
RGB Percent	78%, 86%, 99%
CMY	0.2235, 0.1412, 0.0118
CMYK	0.21, 0.13, 0.00, 0.01
HSL	217°, 90%, 88%
HSV	217°, 21%, 99%
XYZ	66.1909, 69.6971, 102.0597
YIQ	216.4830, -23.1090, 5.8110

Conversions

Conversions Part 2

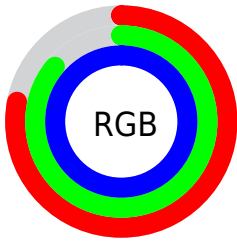
Format	Color
RYB	198, 213, 252
Decimal	13032444
CIELab	86.85, -0.12, -18.41
CIELCh	87, 18.408, 269.624
Yxy	69.6971, 0.2782, 0.2929
Android (android.graphics.Color)	4291222524 (0xFFC6DBFC)
YUV	216.4830, 17.5099, -16.2096
Hunter-Lab	83.4848, -4.5747, -14.0423

Details

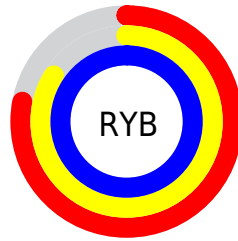
The XYZ color **66.1909, 69.6971, 102.0597** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.9145, 81.9246, 65.0815**, and the grayscale version is **65.4969, 68.9078, 75.0406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.4535, 36.3307, 56.8264** is the 20% darker color. If you saturate the color by 10%, you get **56.2601, 58.8886, 100.4980**, and if you desaturate by 10%, it is **77.6027, 81.8243, 103.8002**.

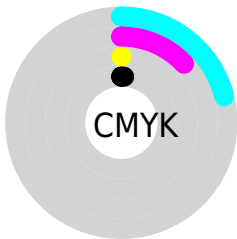
Distribution



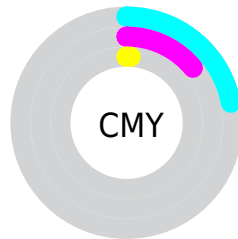
- Red (78%)
- Green (86%)
- Blue (99%)



- Red (78%)
- Yellow (84%)
- Blue (99%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1909, 69.6971, 102.0597 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 66.1909, 69.6971, 102.0597 by changing the saturation by 10% instead.

■ 66.1909, 69.6971,
102.0597

■ 66.1909, 69.6971,
102.0597

436.5372,
459.4858, 588.0793

■ 48.6957, 51.2796,
77.3953

112.8165,
118.7767, 166.0613

■ 34.5917, 36.4312,
57.0639

142.6776,
150.2076, 206.2357

■ 23.5135, 24.7674,
40.6469

177.3913,
186.7452, 252.4171

■ 15.0959, 15.9038,
27.7256

217.3230,
228.7737, 305.0241

■ 8.9735, 9.4561,
17.8817

262.8381,
276.6776, 364.4753

■ 4.7809, 5.0399,
10.6965

314.3019,

■ 2.1527, 2.2707,

330.8413, 431.1892

5.7516

372.0798,
391.6493, 505.5843

■ 0.7176, 0.7581,
2.6283

■ 0.0000, 0.0000,
0.9070

■ 66.1909, 69.6971,
102.0597

■ 66.1909, 69.6971,
102.0597

■ 56.2601, 58.8886,
100.4980

■ 77.6027, 81.8243,
103.8002

■ 47.7393, 49.3421,
99.1044

■ 90.5496, 95.3071,
105.7202

■ 40.5608, 41.0088,
97.8743

■ 94.5709, 99.8084,
106.3771

■ 34.6485, 33.8334,
96.8009

■ 29.9180, 27.7551,
95.8770

■ 26.2733, 22.7064,
95.0946

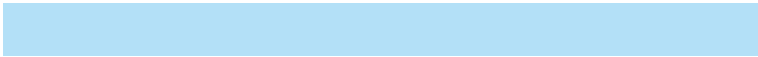
■ 23.6007, 18.6096,
94.4447

■ 21.9397, 15.7659,
93.9834

Harmonies

Analogous

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



62.1591, 69.6971, 98.1583



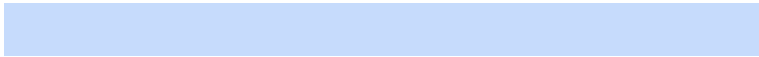
66.1909, 69.6971, 102.0597



70.4085, 69.6971, 98.3425

Triad

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



66.1909, 69.6971, 102.0597



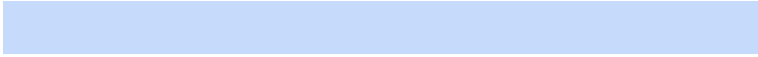
73.6806, 69.6971, 64.7951



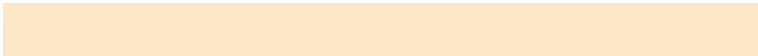
59.3776, 69.6971, 64.5538

Complementary

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



66.1909, 69.6971, 102.0597



78.9145, 81.9246, 65.0815

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.



62.2490, 69.6971, 57.1420



66.1909, 69.6971, 102.0597



70.5061, 69.6971, 57.2704

Square

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



66.1909, 69.6971, 102.0597



74.8444, 69.6971, 76.0434



66.2991, 69.6971, 54.6235



58.3309, 69.6971, 75.7334

Rectangle

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



66.1909, 69.6971, 102.0597



72.7326, 69.6971, 92.2508



66.2991, 69.6971, 54.6235



60.1551, 69.6971, 61.5849

Sweetspot

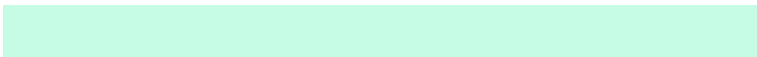
The Sweet Spot groups the original color and five complimentary colors.



66.1930, 69.6999, 102.0613



86.7330, 91.3920, 107.6768



72.4397, 87.3636, 88.2040



18.3782, 19.3677, 23.0197



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.



66.1930, 69.6999, 102.0613



63.1317, 66.3401, 104.0853



62.5040, 60.1709, 100.4164



16.8366, 17.7501, 21.9240



11.5611, 8.4778, 49.0006



1.1703, 0.9842, 4.5715

Inverse Universe

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



73.1269, 66.1998, 75.9446



71.5729, 62.4062, 72.2177



83.2216, 93.4008, 67.0696



17.5241, 17.3370, 19.3496



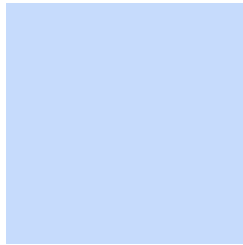
22.1276, 11.2667, 7.3801



2.0996, 1.0636, 0.9481

Previews

White Background



This preview shows how the XYZ color 66.1909, 69.6971, 102.0597 looks on a white background.

Color Contrast Check

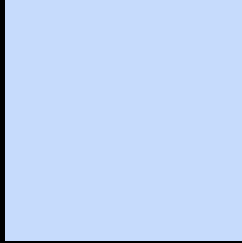
Large Text (above 18pt) WCAG AA × Fail

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 66.1909, 69.6971, 102.0597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

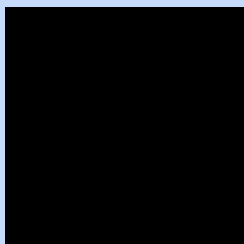
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

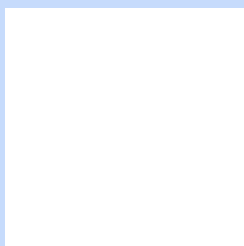
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1909, 69.6971, 102.0597

Background



This preview shows how black text looks on a background with the XYZ color 66.1909, 69.6971, 102.0597.



This preview shows how white text looks on a background with the XYZ color 66.1909, 69.6971,

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

66.1909, 69.6971, 102.0597

Protanopia

68.4197, 69.3519, 100.2226

Deuteranopia

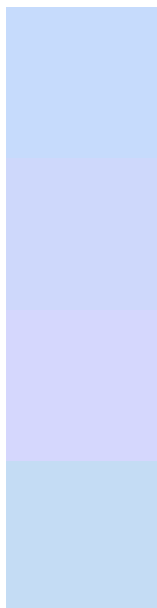
71.0919, 69.5510, 102.6062



Tritanopia

63.9421, 69.5470, 91.7152

Trichromacy



Original Color

66.1909, 69.6971, 102.0597

Protanomaly

67.4221, 69.1986, 101.0699

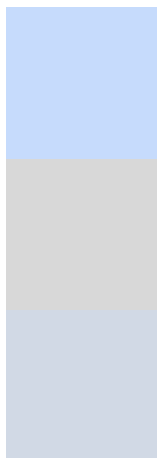
Deuteranomaly

69.4706, 69.8389, 102.7473

Tritanomaly

64.6873, 69.4538, 95.5845

Monochromacy



Original Color

66.1909, 69.6971, 102.0597

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.2502, 68.8382, 83.9768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1909, 69.6971, 102.0597 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, 219, 252)` looks like.

```
.text, #text, p{  
    color:rgb(198, 219, 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(198, 219, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 219, 252) }
```

Border

The CSS property to change the border of an element to XYZ 66.1909, 69.6971, 102.0597 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, 219, 252) }
```


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

```
.border{ border-color:rgb(198, 219, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 219, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 219, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 219, 252);  
box-shadow:4px 4px 4px 4px rgb(198, 219,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1909, 69.6971, 102.0597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 219, 252) }
```

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

```
.background{ background-color: rgb(198,  
219, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor