

Converting Colors

XYZ(67.0966, 71.4242,
103.2374)

Have a look what the booklet for
XYZ(67.0966, 71.4242, 103.2374)
contains.

XYZ(67.1396, 71.3402, 103.1599)	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(67.1396, 71.3402,
103.1599)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DEFD
RGB	198, 222, 253
RGB Percent	78%, 87%, 99%
CMY	0.2235, 0.1294, 0.0078
CMYK	0.22, 0.12, 0.00, 0.01
HSL	214°, 93%, 88%
HSV	214°, 22%, 99%
XYZ	67.1396, 71.3402, 103.1599
YIQ	218.3580, -24.2550, 4.5530

Conversions

Conversions Part 2

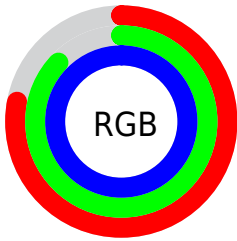
Format	Color
RYB	198, 215, 253
Decimal	13033213
CIELab	87.65, -1.47, -17.73
CIELCh	88, 17.787, 265.259
Yxy	71.3402, 0.2779, 0.2952
Android (android.graphics.Color)	4291223293 (0xFFC6DEFD)
YUV	218.3580, 17.0785, -17.8540
Hunter-Lab	84.4631, -5.9211, -13.2903

Details

The XYZ color **67.1396, 71.3402, 103.1599** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.7211, 80.9986, 64.9130**, and the grayscale version is **66.7871, 70.2653, 76.5189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1102, 37.4626, 57.6050** is the 20% darker color. If you saturate the color by 10%, you get **57.3917, 60.9302, 101.6655**, and if you desaturate by 10%, it is **78.3261, 82.9709, 104.8164**.

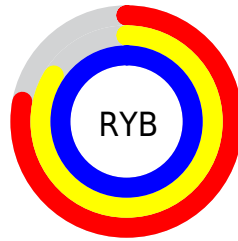
Distribution



Red (78%)

Green (87%)

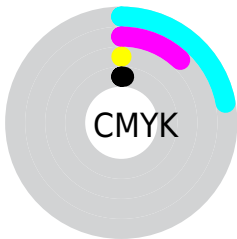
Blue (99%)



Red (78%)

Yellow (84%)

Blue (99%)

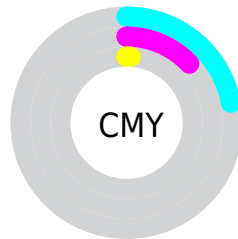


Cyan (22%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (22%)

Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1396, 71.3402, 103.1599 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 67.1396, 71.3402, 103.1599 by changing the saturation by 10% instead.

■ 67.1396, 71.3402,
103.1599

■ 67.1396, 71.3402,
103.1599

439.8662,
465.2418, 591.6098

■ 49.4692, 52.6199,
78.3106

114.1691,
121.1180, 167.5825

■ 35.2079, 37.4994,
57.8112

144.2589,
152.9443, 207.9929

■ 23.9903, 25.5944,
41.2432

179.2193,
189.9080, 254.4273

■ 15.4511, 16.5204,
28.1880

219.4155,
232.3935, 307.3044

■ 9.2250, 9.8932,
18.2272

265.2129,
280.7853, 367.0426

■ 4.9465, 5.3282,
10.9421

316.9770,

■ 2.2503, 2.4411,

335.4676, 434.0606

5.9142

375.0729,
396.8250, 508.7768

■ 0.7691, 0.8469,
2.7250

■ 0.0000, 0.0000,
0.9560

■ 67.1396, 71.3402,
103.1599

■ 67.1396, 71.3402,
103.1599

■ 57.3917, 60.9302,
101.6655

■ 78.3261, 82.9709,
104.8164

■ 49.0125, 51.6878,
100.3232

■ 91.0036, 95.8552,
106.6352

■ 41.9362, 43.5686,
99.1290

■ 94.7298, 99.8719,
107.2141

■ 36.0881, 36.5215,
98.0770

■ 31.3853, 30.4906,
97.1608

■ 27.7335, 25.4131,
96.3732

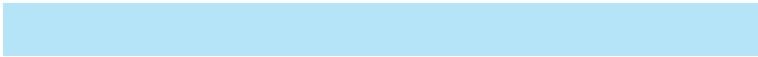
■ 25.0202, 21.2166,
95.7062

■ 23.3503, 18.3329,
95.2376

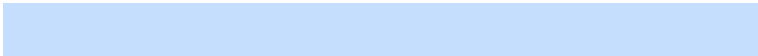
Harmonies

Analogous

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



63.2956, 71.3402, 98.3376



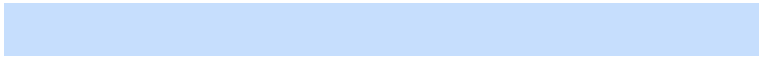
67.1396, 71.3402, 103.1599



71.3215, 71.3402, 100.5979

Triad

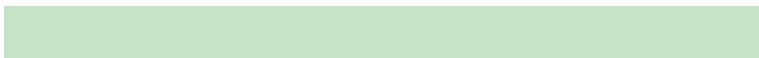
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.1396, 71.3402, 103.1599



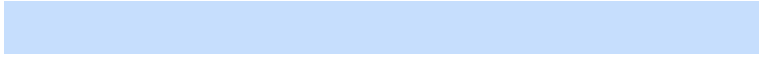
75.3977, 71.3402, 68.1947



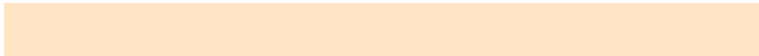
61.3672, 71.3402, 65.1957

Complementary

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



67.1396, 71.3402, 103.1599



78.7211, 80.9986, 64.9130

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.



64.4094, 71.3402, 58.5330



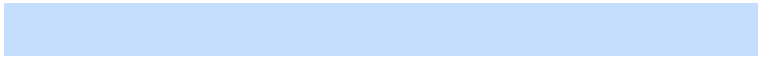
67.1396, 71.3402, 103.1599



72.5272, 71.3402, 60.1347

Square

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



67.1396, 71.3402, 103.1599



76.2019, 71.3402, 79.6100



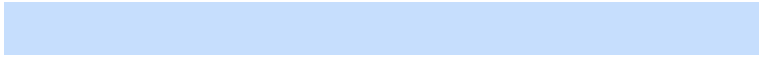
68.4782, 71.3402, 56.7801



60.0519, 71.3402, 75.7762

Rectangle

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



67.1396, 71.3402, 103.1599



73.7233, 71.3402, 95.1737



68.4782, 71.3402, 56.7801



62.2155, 71.3402, 62.4685

Sweetspot

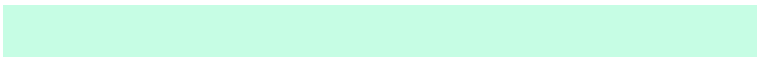
The Sweet Spot groups the original color and five complimentary colors.



67.1418, 71.3431, 103.1615



85.6594, 90.5188, 107.5649



72.4538, 87.8730, 86.7248



18.1690, 19.2062, 22.9995



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.



67.1418, 71.3431, 103.1615



63.9385, 67.9536, 104.3542



61.9455, 59.8646, 101.2198



17.6552, 18.6819, 22.9254



12.5603, 10.0302, 50.7086



1.3293, 1.1894, 4.9728

Inverse Universe

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



73.8887, 66.5465, 78.0609



71.9801, 62.5691, 74.3620



84.8336, 94.6993, 67.2353



18.3386, 18.1187, 20.4002



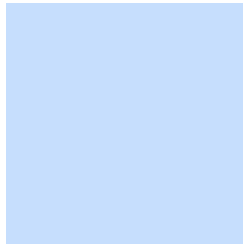
23.1281, 11.7405, 9.3249



2.3056, 1.1646, 1.1907

Previews

White Background



This preview shows how the XYZ color 67.1396, 71.3402, 103.1599 looks on a white background.

Color Contrast Check

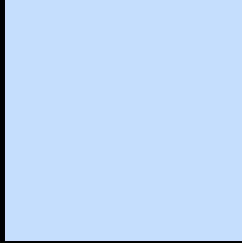
Large Text (above 18pt) WCAG AA × Fail

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 67.1396, 71.3402, 103.1599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

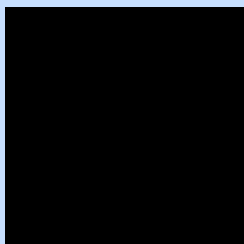
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

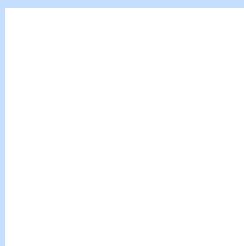
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1396, 71.3402, 103.1599

Background



This preview shows how black text looks on a background with the XYZ color 67.1396, 71.3402, 103.1599.

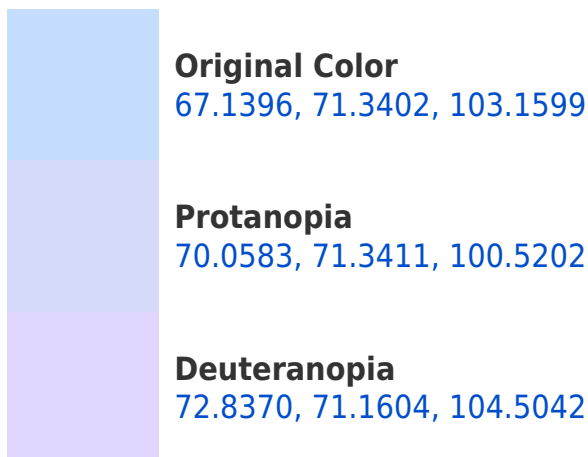


This preview shows how white text looks on a background with the XYZ color 67.1396, 71.3402,

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

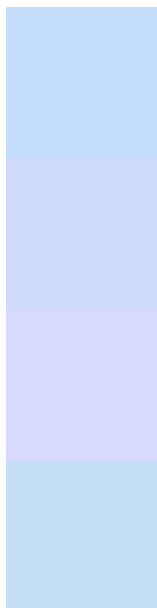




Tritanopia

65.4476, 71.4579, 94.3477

Trichromacy



Original Color

67.1396, 71.3402, 103.1599

Protanomaly

68.7565, 71.0380, 101.3546

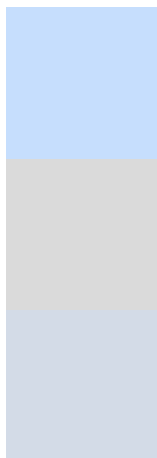
Deuteranomaly

70.7266, 71.2285, 103.7867

Tritanomaly

66.0482, 71.2995, 97.4698

Monochromacy



Original Color

67.1396, 71.3402, 103.1599

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.6193, 70.2814, 85.6558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1396, 71.3402, 103.1599 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, 222, 253)` looks like.

```
.text, #text, p{  
    color:rgb(198, 222, 253)  
}
```

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, 222, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 222, 253) }
```

Border

The CSS property to change the border of an element to XYZ 67.1396, 71.3402, 103.1599 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, 222, 253) }
```


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

```
.border{ border-color:rgb(198, 222, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 222, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 222, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 222, 253);  
box-shadow:4px 4px 4px 4px rgb(198, 222,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1396, 71.3402, 103.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 222, 253) }
```

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

```
.background{ background-color: rgb(198,  
222, 253) }
```

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