

Converting Colors

XYZ(67.9230, 73.0255,
102.6140)

Have a look what the booklet for
XYZ(67.9230, 73.0255, 102.6140)
contains.

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Color

**XYZ(67.7846, 72.8845,
102.5909)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E1FC
RGB	198, 225, 252
RGB Percent	78%, 88%, 99%
CMY	0.2235, 0.1176, 0.0118
CMYK	0.21, 0.11, 0.00, 0.01
HSL	210°, 90%, 88%
HSV	210°, 21%, 99%
XYZ	67.7846, 72.8845, 102.5909
YIQ	220.0050, -24.7590, 2.6730

Conversions

Conversions Part 2

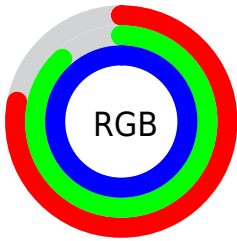
Format	Color
R _{YB}	198, 216, 252
Decimal	13033980
CIE Lab	88.39, -3.25, -16.08
CIE LCh	88, 16.409, 258.578
Yxy	72.8845, 0.2787, 0.2996
Android (android.graphics.Color)	4291224060 (0xFFC6E1FC)
YUV	220.0050, 15.7735, -19.2984
Hunter-Lab	85.3724, -7.6750, -11.4873

Details

The XYZ color **67.7846, 72.8845, 102.5909** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.2638, 78.6232, 64.5313**, and the grayscale version is **67.9386, 71.4767, 77.8381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5527, 38.5292, 57.1928** is the 20% darker color. If you saturate the color by 10%, you get **58.4059, 63.1803, 101.2133**, and if you desaturate by 10%, it is **78.5241, 83.6670, 104.1073**.

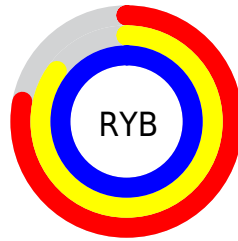
Distribution



Red (78%)

Green (88%)

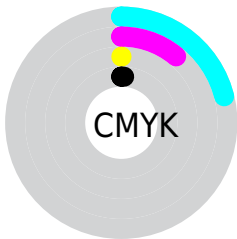
Blue (99%)



Red (78%)

Yellow (85%)

Blue (99%)

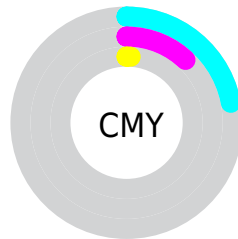


Cyan (21%)

Magenta (11%)

Yellow (0%)

Black (1%)



Cyan (22%)

Magenta (12%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7846, 72.8845, 102.5909 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 67.7846, 72.8845, 102.5909 by changing the saturation by 10% instead.

■ 67.7846, 72.8845,
102.5909

■ 67.7846, 72.8845,
102.5909

442.1212,
470.6144, 589.7853

■ 49.9956, 53.8815,
77.8372

115.0875,
123.3132, 166.7960

■ 35.6276, 38.5070,
57.4246

145.3322,
155.5078, 207.0844

■ 24.3155, 26.3764,
40.9346

180.4593,
192.8683, 253.3881

■ 15.6939, 17.1054,
27.9487

220.8344,
235.7792, 306.1257

■ 9.3972, 10.3097,
18.0483

266.8228,
284.6249, 365.7156

■ 5.0604, 5.6048,
10.8148

318.7898,

■ 2.3178, 2.6063,

339.7897, 432.5765

5.8299

377.1008,
401.6581, 507.1269

■ 0.8038, 0.9298,
2.6748

■ 0.0000, 0.0000,
0.9307

■ 67.7846, 72.8845,
102.5909

■ 67.7846, 72.8845,
102.5909

■ 58.4059, 63.1803,
101.2133

■ 78.5241, 83.6670,
104.1073

■ 50.3215, 54.5065,
99.9652

■ 90.6739, 95.5556,
105.7617

■ 43.4686, 46.8244,
98.8436

■ 94.5709, 99.8084,
106.3771

■ 37.7763, 40.0890,
97.8435

■ 33.1657, 34.2505,
96.9596

■ 29.5468, 29.2534,
96.1858

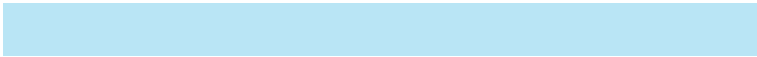
■ 26.8121, 25.0326,
95.5152

■ 25.0334, 21.9534,
95.0146

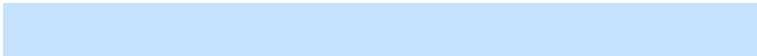
Harmonies

Analogous

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



64.3806, 72.8845, 96.7719



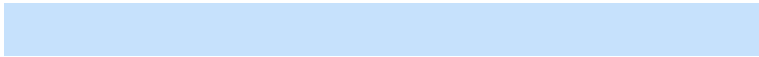
67.7846, 72.8845, 102.5909



71.7172, 72.8845, 101.7610

Triad

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



67.7846, 72.8845, 102.5909



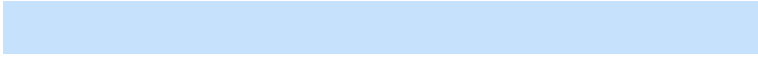
76.7092, 72.8845, 72.6427



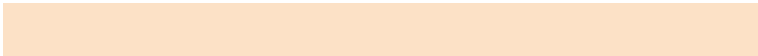
63.7457, 72.8845, 65.8481

Complementary

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



67.7846, 72.8845, 102.5909



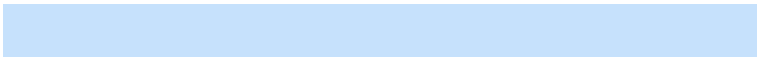
77.2638, 78.6232, 64.5313

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.



66.8880, 72.8845, 60.5123



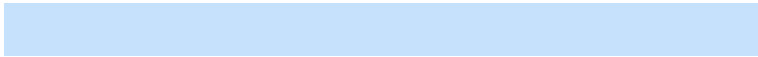
67.7846, 72.8845, 102.5909



74.4103, 72.8845, 64.1709

Square

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



67.7846, 72.8845, 102.5909



76.9716, 72.8845, 83.7349



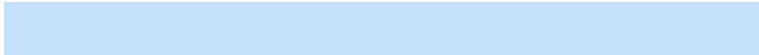
70.7861, 72.8845, 59.9289



62.1085, 72.8845, 75.1379

Rectangle

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



67.7846, 72.8845, 102.5909



74.1086, 72.8845, 97.5642



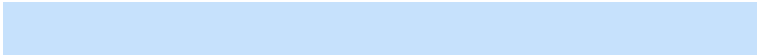
70.7861, 72.8845, 59.9289



64.6554, 72.8845, 63.5720

Sweetspot

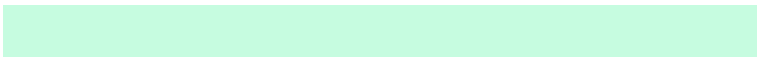
The Sweet Spot groups the original color and five complimentary colors.



67.7868, 72.8875, 102.5926



87.2515, 92.4291, 107.8497



71.5687, 87.0152, 83.6172



18.5007, 19.6126, 23.0605



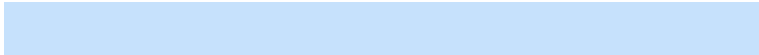
0.0000, 0.0000, 0.0000



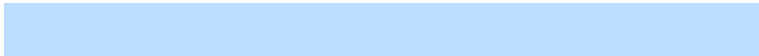
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7868, 72.8875, 102.5926



65.0442, 70.1651, 104.7228



61.2614, 59.8366, 100.4174



17.0002, 18.0772, 21.9785



13.1875, 11.7305, 49.5427



1.3274, 1.2984, 4.6238

Inverse Universe

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



73.9313, 66.5216, 80.1809



72.5383, 62.7923, 77.3011



84.8676, 93.8308, 67.0659



17.6066, 17.3700, 19.7842



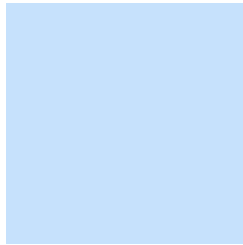
22.9485, 11.5951, 11.7029



2.1789, 1.0953, 1.3656

Previews

White Background



This preview shows how the XYZ color 67.7846, 72.8845, 102.5909 looks on a white background.

Color Contrast Check

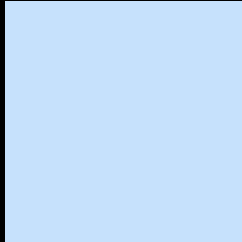
Large Text (above 18pt) WCAG AA × Fail

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 67.7846, 72.8845, 102.5909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

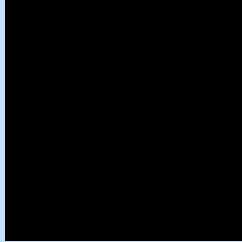
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

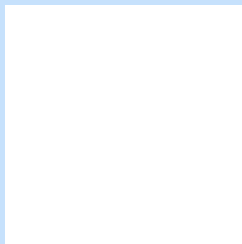
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7846, 72.8845, 102.5909

Background



This preview shows how black text looks on a background with the XYZ color 67.7846, 72.8845, 102.5909.

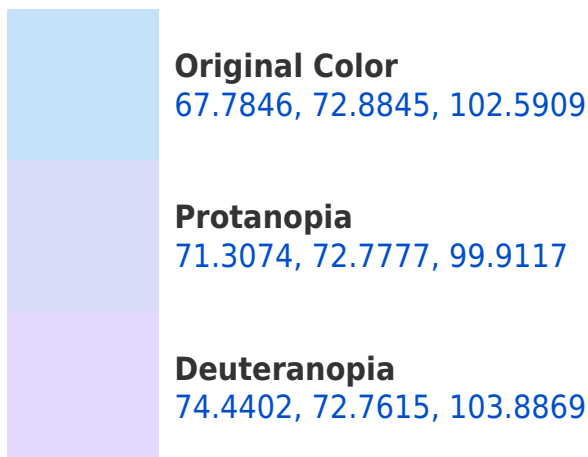


This preview shows how white text looks on a background with the XYZ color 67.7846, 72.8845,

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

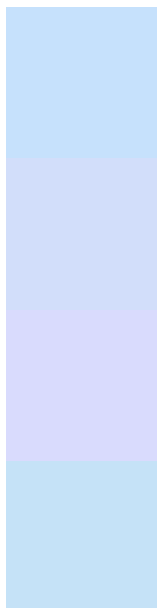




Tritanopia

66.2904, 72.6601, 96.1189

Trichromacy



Original Color

67.7846, 72.8845, 102.5909

Protanomaly

69.9549, 72.8463, 100.8162

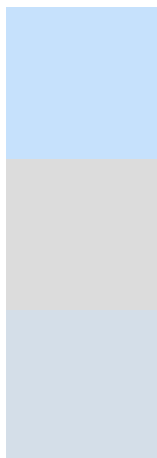
Deuteranomaly

71.6764, 72.5066, 103.1459

Tritanomaly

67.0108, 72.9784, 98.5501

Monochromacy



Original Color

67.7846, 72.8845, 102.5909

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8381, 72.0658, 86.6786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7846, 72.8845, 102.5909 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, 225, 252)` looks like.

```
.text, #text, p{  
    color:rgb(198, 225, 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, 225, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 225, 252) }
```

Border

The CSS property to change the border of an element to XYZ 67.7846, 72.8845, 102.5909 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, 225, 252) }
```


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

```
.border{ border-color:rgb(198, 225, 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, 225, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 225, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 225, 252);  
box-shadow:4px 4px 4px 4px rgb(198, 225,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7846, 72.8845, 102.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 225, 252) }
```

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

```
.background{ background-color: rgb(198,  
225, 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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