

# Converting Colors

XYZ(71.9825, 80.7047,  
106.3914)

Have a look what the booklet for  
XYZ(71.9825, 80.7047, 106.3914)  
contains.

<b>XYZ(72.2052, 80.9588, 106.4287)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(72.2052, 80.9588,  
106.4287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6EFFF
RGB	198, 239, 255
RGB Percent	78%, 94%, 100%
CMY	0.2235, 0.0627, 0.0000
CMYK	0.22, 0.06, 0.00, 0.00
HSL	197°, 100%, 89%
HSV	197°, 22%, 100%
XYZ	72.2052, 80.9588, 106.4287
YIQ	228.5650, -29.5720, -3.7160

# Conversions

## Conversions Part 2

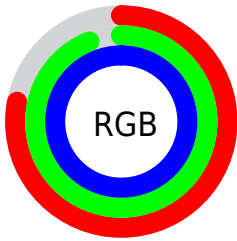
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 222, 255
Decimal	13037567
CIE <sub>Lab</sub>	92.11, -9.78, -12.08
CIE <sub>LCh</sub>	92, 15.545, 231.015
Yxy	80.9588, 0.2781, 0.3119
Android (android.graphics.Color)	4291227647 (0xFFC6EFFF)
YUV	228.5650, 13.0325, -26.8055
Hunter-Lab	89.9771, -14.2165, -7.1467

# Details

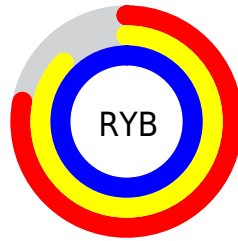
The XYZ color **72.2052, 80.9588, 106.4287** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4794, 73.4295, 63.6229**, and the grayscale version is **74.0814, 77.9394, 84.8761**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4542, 43.7838, 59.8505** is the 20% darker color. If you saturate the color by 10%, you get **63.9879, 73.6758, 105.4561**, and if you desaturate by 10%, it is **81.6413, 88.9974, 107.4830**.

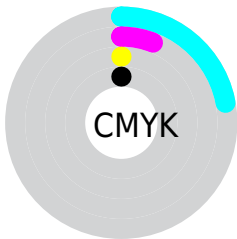
# Distribution



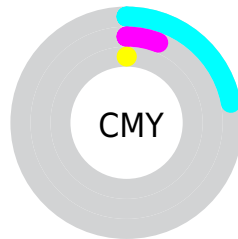
- Red (78%)
- Green (94%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2052, 80.9588, 106.4287 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 72.2052, 80.9588, 106.4287 by changing the saturation by 10% instead.



72.2052, 80.9588,  
106.4287

72.2052, 80.9588,  
106.4287

457.4021,  
498.1582, 602.0347

53.6124, 60.5077,  
81.0335

121.3575,  
134.7129, 172.0926

38.5213, 43.8280,  
60.0380

152.6476,  
168.7847, 213.1984

26.5666, 30.5353,  
43.0238

188.9009,  
208.1655, 260.3782

17.3829, 20.2452,  
29.5722

230.4827,  
253.2396, 314.0504

10.6048, 12.5734,  
19.2648

277.7583,  
304.3916, 374.6336

5.8671, 7.1355,  
11.6830

331.0932,

2.8043, 3.5470,

362.0058, 442.5463

6.4083

390.8527,  
426.4665, 518.2072

■ 1.0512, 1.4235,  
3.0222

■ 0.0000, 0.2340,  
1.1060

■ 72.2052, 80.9588,  
106.4287

■ 72.2052, 80.9588,  
106.4287

■ 63.9879, 73.6758,  
105.4561

■ 81.6413, 88.9974,  
107.4830

■ 56.9253, 67.1077,  
104.5605

■ 92.3434, 97.8111,  
108.6202

■ 50.9572, 61.2242,  
103.7395

■ 95.0500, 100.0000,  
108.9000

■ 46.0148, 55.9883,  
102.9893

■ 42.0212, 51.3588,  
102.3062

■ 38.8877, 47.2887,  
101.6858

■ 36.5072, 43.7210,  
101.1226

■ 35.0742, 41.2684,  
100.7247

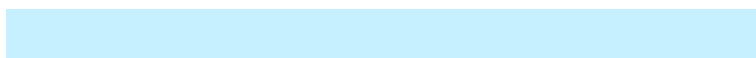
# Harmonies

## Analogous

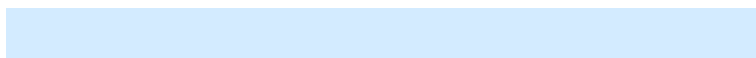
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9819, 80.9588, 96.2982



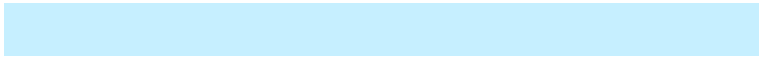
72.2052, 80.9588, 106.4287



75.7525, 80.9588, 111.7777

# Triad

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



72.2052, 80.9588, 106.4287



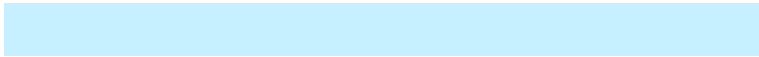
84.8085, 80.9588, 91.6398



74.2203, 80.9588, 69.1241

# Complementary

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



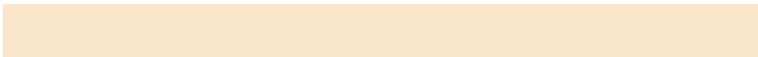
72.2052, 80.9588, 106.4287



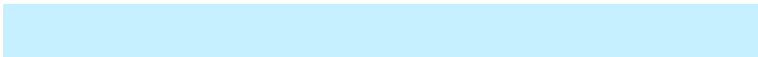
75.4794, 73.4295, 63.6229

# 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.



78.1579, 80.9588, 68.1118



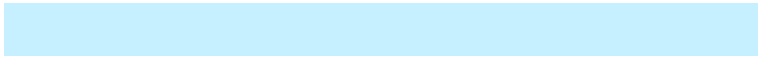
72.2052, 80.9588, 106.4287



84.3636, 80.9588, 80.4756

# Square

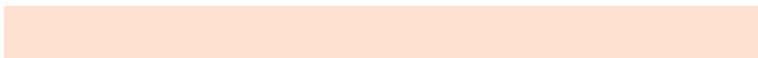
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



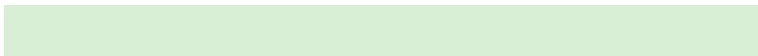
72.2052, 80.9588, 106.4287



83.0913, 80.9588, 102.7658



81.8960, 80.9588, 72.0946

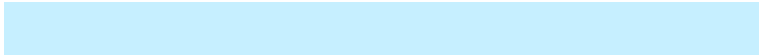


71.1169, 80.9588, 74.9908



# Rectangle

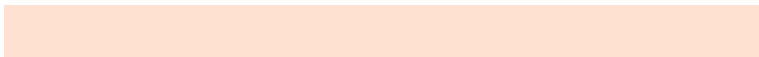
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2052, 80.9588, 106.4287



78.4296, 80.9588, 111.6189



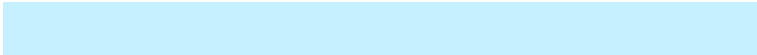
81.8960, 80.9588, 72.0946



75.4869, 80.9588, 68.2261

# Sweetspot

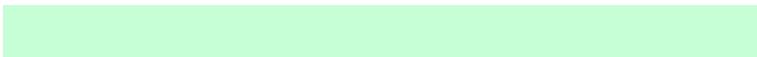
The Sweet Spot groups the original color and five complimentary colors.



72.2074, 80.9620, 106.4292



87.2079, 93.6158, 108.0811



71.0854, 88.3405, 76.3902



18.5278, 19.9237, 23.1191



0.0000, 0.0000, 0.0000

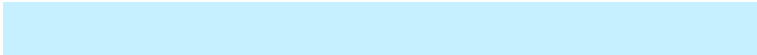


20.3446, 21.4041, 23.3091

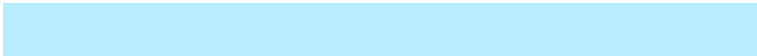


# Same Dimension

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



72.2074, 80.9620, 106.4292



68.2392, 77.4839, 105.9670



64.7089, 65.9650, 103.9297



18.0987, 19.5690, 23.0732



18.4598, 21.8291, 52.6751



1.8898, 2.3104, 5.1596



# Inverse Universe

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



77.0154, 67.8817, 90.7084



73.9242, 62.4785, 87.2756



83.0965, 88.6636, 66.1619



18.5625, 18.2083, 21.5791



26.1058, 12.9316, 25.0055

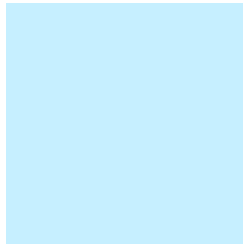


2.5885, 1.2778, 2.6805



# Previews

## White Background



This preview shows how the XYZ color 72.2052, 80.9588, 106.4287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

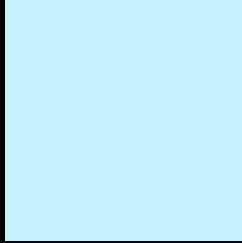
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2052, 80.9588, 106.4287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

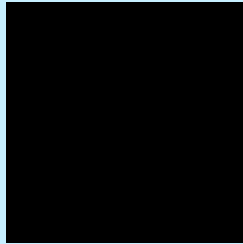
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

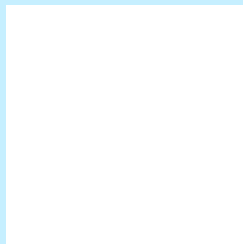
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2052, 80.9588, 106.4287**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2052, 80.9588, 106.4287.



This preview shows how white text looks on a background with the XYZ color 72.2052, 80.9588,



# 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

72.2052, 80.9588, 106.4287

### Protanopia

78.5071, 80.4847, 101.8398

### Deuteranopia

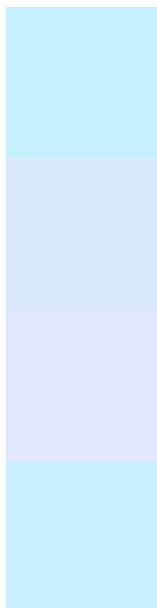
81.5220, 80.3135, 105.8131



## Tritanopia

72.9817, 80.9256, 106.3814

# Trichromacy



## Original Color

72.2052, 80.9588, 106.4287

## Protanomaly

75.9230, 80.3662, 103.6061

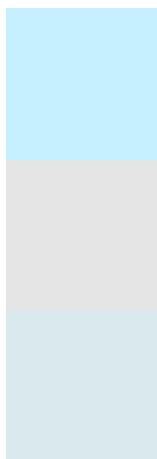
## Deuteranomaly

77.6773, 80.3794, 106.0285

## Tritanomaly

72.7119, 80.7866, 106.3688

# Monochromacy



## Original Color

72.2052, 80.9588, 106.4287

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

73.4850, 79.3563, 92.3331

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2052, 80.9588, 106.4287 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 239, 255)  
}
```

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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2052, 80.9588, 106.4287 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, 239, 255) }
```



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

```
.border{ border-color:rgb(198, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2052, 80.9588, 106.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 239, 255) }
```

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

```
.background{ background-color: rgb(198,  
239, 255) }
```

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