

# Converting Colors

XYZ(87.2842, 88.4313,  
182.1544)

Have a look what the booklet for  
XYZ(87.2842, 88.4313, 182.1544)  
contains.

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# Color

**XYZ(72.8281, 82.5946,  
106.7116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F2FF
RGB	197, 242, 255
RGB Percent	77%, 95%, 100%
CMY	0.2274, 0.0510, 0.0000
CMYK	0.23, 0.05, 0.00, 0.00
HSL	193°, 100%, 89%
HSV	193°, 23%, 100%
XYZ	72.8281, 82.5946, 106.7116
YIQ	230.0270, -30.9930, -5.4970

# Conversions

## Conversions Part 2

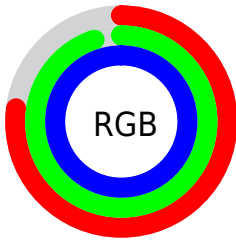
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 222, 255
Decimal	12972799
CIELab	92.84, -11.59, -11.01
CIElCh	93, 15.987, 223.537
Yxy	82.5946, 0.2778, 0.3151
Android (android.graphics.Color)	4291162879 (0xFFC5F2FF)
YUV	230.0270, 12.3117, -28.9647
Hunter-Lab	90.8816, -16.0015, -6.0002

# Details

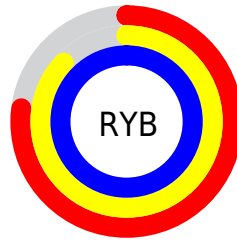
The XYZ color **72.8281, 82.5946, 106.7116** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3645, 71.3836, 62.6841**, and the grayscale version is **75.1639, 79.0782, 86.1162**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **38.9073, 44.9458, 60.0509** is the 20% darker color. If you saturate the color by 10%, you get **65.0337, 76.0932, 105.8676**, and if you desaturate by 10%, it is **81.8094, 89.7910, 107.6273**.

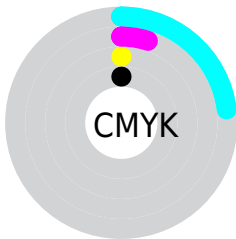
# Distribution



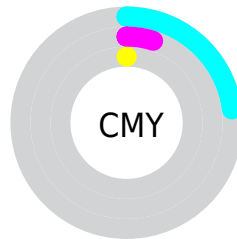
- Red (77%)
- Green (95%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8281, 82.5946, 106.7116 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 72.8281, 82.5946, 106.7116 by changing the saturation by 10% instead.



72.8281, 82.5946,  
106.7116

72.8281, 82.5946,  
106.7116

459.5318,  
503.6344, 602.9325

54.1233, 61.8558,  
81.2694

122.2376,  
137.0075, 172.4823

38.9313, 44.9162,  
60.2312

153.6730,  
171.4504, 213.6479

26.8868, 31.3914,  
43.1785

190.0826,  
211.2301, 260.8917

17.6244, 20.8971,  
29.6927

231.8319,  
256.7310, 314.6322

10.7787, 13.0488,  
19.3554

279.2860,  
308.3375, 375.2880

5.9844, 7.4621,  
11.7480

332.8105,

2.8762, 3.7528,

366.4339, 443.2776

6.4519

392.7707,  
431.4048, 519.0196

■ 1.0886, 1.5362,  
3.0485

■ 0.0156, 0.3140,  
1.1195

■ 72.8281, 82.5946,  
106.7116

■ 72.8281, 82.5946,  
106.7116

■ 65.0337, 76.0932,  
105.8676

■ 81.8094, 89.7910,  
107.6273

■ 58.3624, 70.2468,  
105.0907

■ 92.0243, 97.7008,  
108.6157

■ 52.7541, 65.0259,  
104.3786

■ 95.0500, 100.0000,  
108.9000

■ 48.1403, 60.3944,  
103.7278

■ 44.4443, 56.3120,  
103.1346

■ 41.5772, 52.7322,  
102.5947

■ 39.4316, 49.5988,  
102.1030

■ 38.2128, 47.5456,  
101.7709

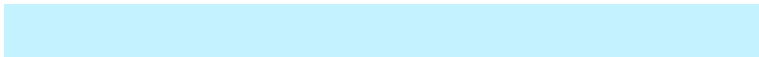
# Harmonies

## Analogous

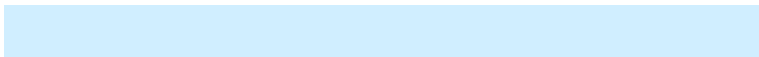
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9565, 82.5946, 95.4197



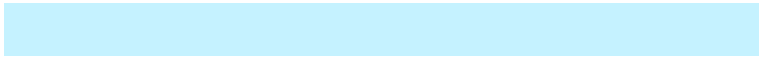
72.8281, 82.5946, 106.7116



76.2511, 82.5946, 113.8245

# Triad

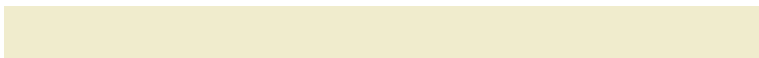
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8281, 82.5946, 106.7116



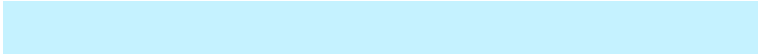
86.4547, 82.5946, 96.6039



76.6400, 82.5946, 69.3846

# Complementary

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



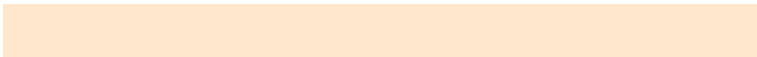
72.8281, 82.5946, 106.7116



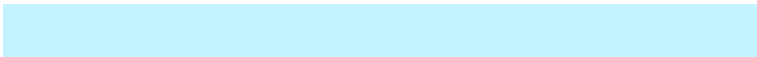
74.3645, 71.3836, 62.6841

# 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.



80.8002, 82.5946, 69.6404



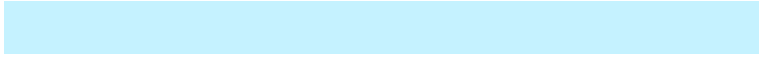
72.8281, 82.5946, 106.7116



86.5679, 82.5946, 84.6578

# Square

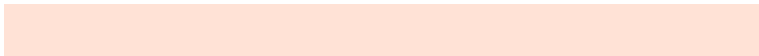
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8281, 82.5946, 106.7116



84.1628, 82.5946, 107.6445



84.4667, 82.5946, 75.0096

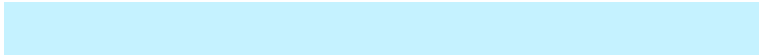


73.1041, 82.5946, 74.2767

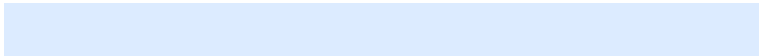


# Rectangle

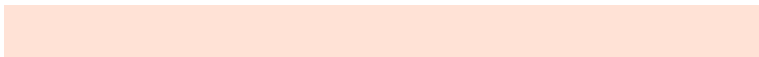
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8281, 82.5946, 106.7116



78.9999, 82.5946, 114.8791



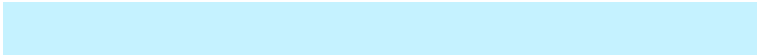
84.4667, 82.5946, 75.0096



78.0096, 82.5946, 68.8855

# Sweetspot

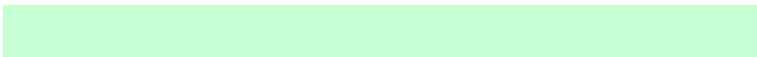
The Sweet Spot groups the original color and five complimentary colors.



72.8303, 82.5979, 106.7122



87.5225, 94.2450, 108.1859



70.3659, 88.0224, 73.9729



18.6007, 20.0697, 23.1434



0.0000, 0.0000, 0.0000

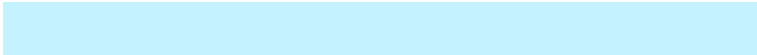


20.3446, 21.4041, 23.3091

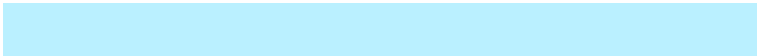


# Same Dimension

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



72.8303, 82.5979, 106.7122



69.3707, 79.7470, 106.3442



64.9807, 66.8986, 104.0956



18.1894, 19.7503, 23.1035



20.0839, 25.0773, 53.2165



2.0362, 2.6031, 5.2084



# Inverse Universe

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



77.2347, 67.6049, 92.9866



74.4953, 62.7070, 90.2833



82.0584, 86.7714, 65.2487



18.6082, 18.2266, 21.8201



26.9256, 13.2595, 29.3224

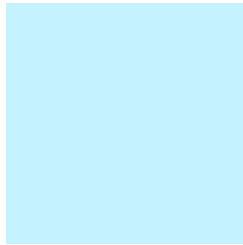


2.6624, 1.3073, 3.0696



# Previews

## White Background



This preview shows how the XYZ color 72.8281, 82.5946, 106.7116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

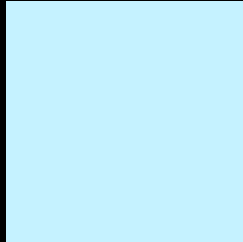
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8281, 82.5946, 106.7116 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 72.8281, 82.5946, 106.7116

## Background



This preview shows how black text looks on a background with the XYZ color 72.8281, 82.5946, 106.7116.



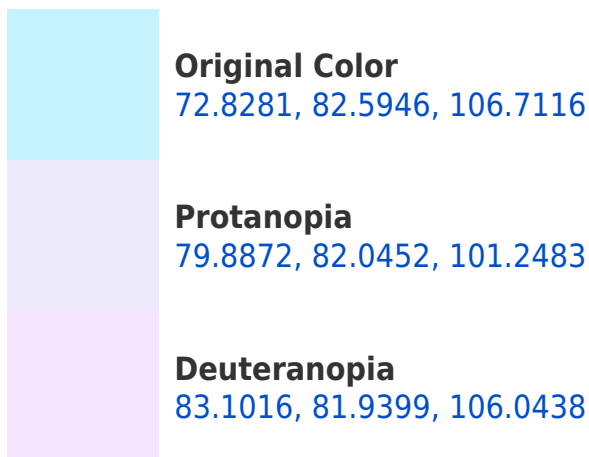
This preview shows how white text looks on a background with the XYZ color 72.8281, 82.5946,



# 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

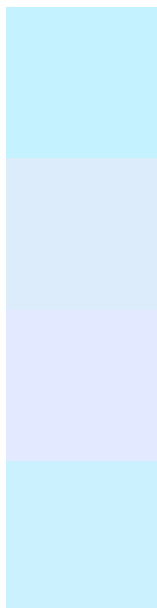




## Tritanopia

74.6637, 82.6620, 106.6279

# Trichromacy



## Original Color

72.8281, 82.5946, 106.7116

## Protanomaly

77.2268, 82.3281, 103.0874

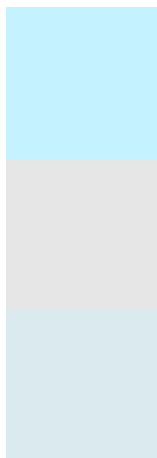
## Deuteranomaly

78.8675, 81.8287, 106.2455

## Tritanomaly

74.1339, 82.8271, 106.6877

# Monochromacy



## Original Color

72.8281, 82.5946, 106.7116

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.9162, 79.9831, 93.2038

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8281, 82.5946, 106.7116 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(197, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 242, 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(197, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8281, 82.5946, 106.7116 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".

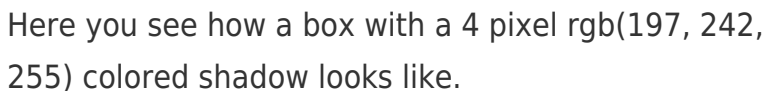
```
.border, #border, table{ border:4px solid rgb(197, 242, 255) }
```



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

```
.border{ border-color:rgb(197, 242, 255) }
```

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



Here you see how a box with a 4 pixel rgb(197, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8281, 82.5946, 106.7116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 242, 255) }
```

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

```
.background{ background-color: rgb(197,  
242, 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](#).

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