

Converting Colors

XYZ(82.4407, 83.9384,
168.6890)

Have a look what the booklet for
XYZ(82.4407, 83.9384, 168.6890)
contains.

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Color

**XYZ(70.5823, 79.2577,
106.1859)**

Conversions

Conversions Part 1

Format	Color
Hex	C2EDFF
RGB	194, 237, 255
RGB Percent	76%, 93%, 100%
CMY	0.2392, 0.0706, 0.0000
CMYK	0.24, 0.07, 0.00, 0.00
HSL	198°, 100%, 88%
HSV	198°, 24%, 100%
XYZ	70.5823, 79.2577, 106.1859
YIQ	226.1950, -31.4060, -3.5180

Conversions

Conversions Part 2

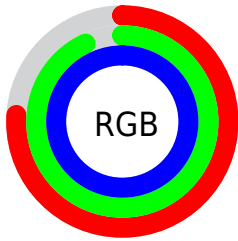
Format	Color
RYB	194, 219, 255
Decimal	12774911
CIELab	91.35, -9.94, -13.25
CIELCh	91, 16.560, 233.126
Yxy	79.2577, 0.2757, 0.3096
Android (android.graphics.Color)	4290964991 (0xFFC2EDFF)
YUV	226.1950, 14.2009, -28.2350
Hunter-Lab	89.0268, -14.2784, -8.3989

Details

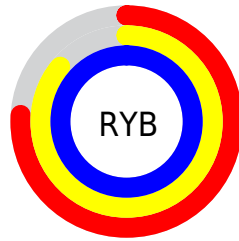
The XYZ color **70.5823, 79.2577, 106.1859** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5210, 72.2413, 61.0569**, and the grayscale version is **72.3483, 76.1161, 82.8904**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.3644, 42.6139, 59.6821** is the 20% darker color. If you saturate the color by 10%, you get **62.4585, 71.9057, 105.1950**, and if you desaturate by 10%, it is **79.9247, 87.3776, 107.2608**.

Distribution



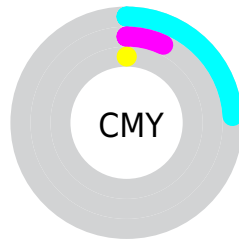
- Red (76%)
- Green (93%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5823, 79.2577, 106.1859 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 70.5823, 79.2577, 106.1859 by changing the saturation by 10% instead.

70.5823, 79.2577,
106.1859

70.5823, 79.2577,
106.1859

451.8265,
492.4277, 601.2636

52.2827, 59.1077,
80.8310

119.0605,
132.3216, 171.7581

37.4556, 42.6998,
59.8723

149.9699,
166.0043, 212.8125

25.7358, 29.6497,
42.8911

185.8132,
204.9667, 259.9372

16.7577, 19.5728,
29.4689

226.9558,
249.5931, 313.5507

10.1561, 12.0849,
19.1872

273.7631,
300.2681, 374.0716

5.5657, 6.8015,
11.6274

326.6004,

2.6209, 3.3383,

357.3759, 441.9183

6.3711

385.8331,
421.3010, 517.5095

■ 0.9566, 1.3108,
2.9996

■ 0.0000, 0.1495,
1.0944

■ 70.5823, 79.2577,
106.1859

■ 70.5823, 79.2577,
106.1859

■ 62.4585, 71.9057,
105.1950

■ 79.9247, 87.3776,
107.2608

■ 55.4885, 65.2805,
104.2836

■ 90.5335, 96.2856,
108.4211

■ 49.6109, 59.3508,
103.4488

95.0500, 100.0000,
108.9000

■ 44.7556, 54.0788,
102.6871

■ 40.8440, 49.4222,
101.9945

■ 37.7850, 45.3323,
101.3663

■ 35.4673, 41.7498,
100.7969

■ 34.3249, 39.7698,
100.4750

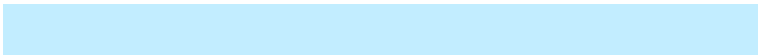
Harmonies

Analogous

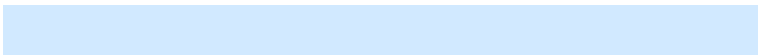
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1361, 79.2577, 95.7193



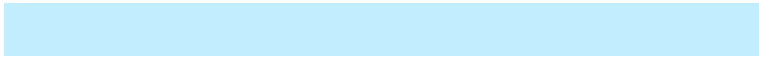
70.5823, 79.2577, 106.1859



74.3682, 79.2577, 111.3984

Triad

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



70.5823, 79.2577, 106.1859



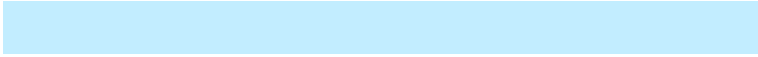
83.6506, 79.2577, 89.1002



72.1999, 79.2577, 66.7007

Complementary

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



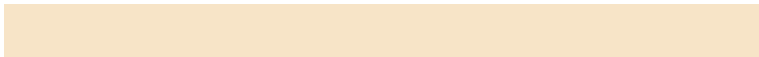
70.5823, 79.2577, 106.1859



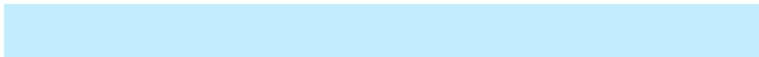
74.5210, 72.2413, 61.0569

Split Complementary

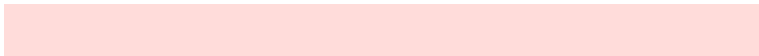
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3042, 79.2577, 65.2835



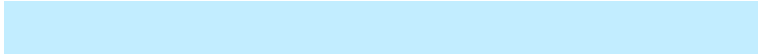
70.5823, 79.2577, 106.1859



83.0176, 79.2577, 77.5164

Square

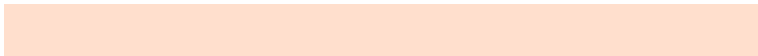
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5823, 79.2577, 106.1859



81.9892, 79.2577, 100.9571



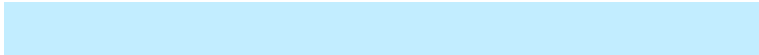
80.2903, 79.2577, 69.0629



69.0454, 79.2577, 73.1317

Rectangle

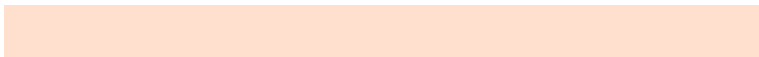
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



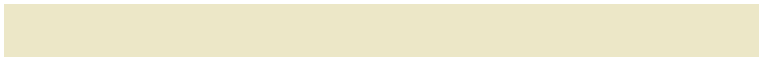
70.5823, 79.2577, 106.1859



77.1838, 79.2577, 110.8791



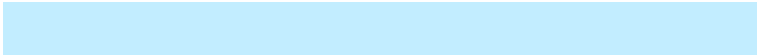
80.2903, 79.2577, 69.0629



73.5102, 79.2577, 65.6484

Sweetspot

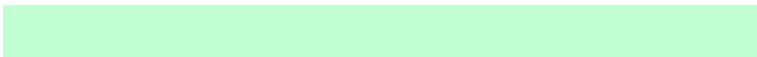
The Sweet Spot groups the original color and five complimentary colors.



70.5844, 79.2608, 106.1864



87.1281, 93.4563, 108.0545



69.8026, 87.7072, 75.0660



18.5093, 19.8867, 23.1129



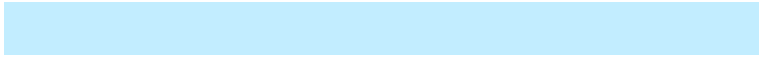
0.0000, 0.0000, 0.0000



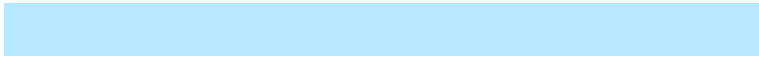
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5844, 79.2608, 106.1864



66.3086, 75.4315, 105.6726



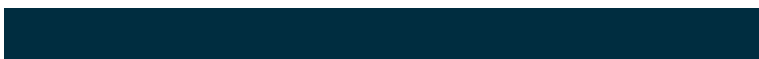
62.6648, 63.4215, 103.5465



18.0758, 19.5231, 23.0656



18.0714, 21.0525, 52.5457



1.8545, 2.2397, 5.1478

Inverse Universe

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



75.8192, 65.9596, 88.8597



72.5082, 60.2218, 85.0305



82.6658, 88.5309, 63.7719



18.5509, 18.2037, 21.5181



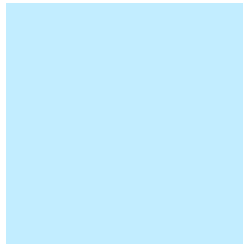
25.9098, 12.8532, 23.9734



2.5707, 1.2706, 2.5866

Previews

White Background



This preview shows how the XYZ color 70.5823, 79.2577, 106.1859 looks on a white background.

Color Contrast Check

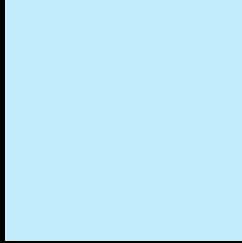
Large Text (above 18pt) WCAG AA × Fail

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 70.5823, 79.2577, 106.1859 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 70.5823, 79.2577, 106.1859

Background



This preview shows how black text looks on a background with the XYZ color 70.5823, 79.2577, 106.1859.



This preview shows how white text looks on a background with the XYZ color 70.5823, 79.2577,

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

70.5823, 79.2577, 106.1859

Protanopia

76.8372, 78.8203, 100.7866

Deuteranopia

79.9655, 78.7085, 105.5854



Tritanopia

70.8399, 79.3905, 106.1980

Trichromacy



Original Color

70.5823, 79.2577, 106.1859

Protanomaly

74.3074, 78.7158, 102.5440

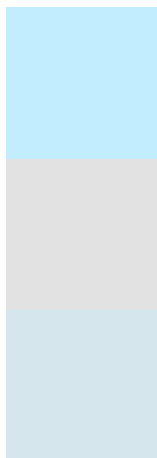
Deuteranomaly

76.1935, 78.7882, 105.7996

Tritanomaly

70.8399, 79.3905, 106.1980

Monochromacy



Original Color

70.5823, 79.2577, 106.1859

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3144, 77.0042, 91.2254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5823, 79.2577, 106.1859 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(194, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 237, 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(194, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.5823, 79.2577, 106.1859 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(194, 237, 255) }
```


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

```
.border{ border-color:rgb(194, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(194, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5823, 79.2577, 106.1859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 237, 255) }
```

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

```
.background{ background-color: rgb(194,  
237, 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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