

# Converting Colors

XYZ(70.9828, 80.0509,  
106.3179)

Have a look what the booklet for  
XYZ(70.9828, 80.0509, 106.3179)  
contains.

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# Color

**XYZ(70.8727, 79.8384,  
106.2827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2EEFF
RGB	194, 238, 255
RGB Percent	76%, 93%, 100%
CMY	0.2392, 0.0666, 0.0000
CMYK	0.24, 0.07, 0.00, 0.00
HSL	197°, 100%, 88%
HSV	197°, 24%, 100%
XYZ	70.8727, 79.8384, 106.2827
YIQ	226.7820, -31.6810, -4.0410

# Conversions

## Conversions Part 2

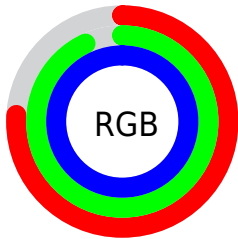
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 220, 255
Decimal	12775167
CIELab	91.61, -10.44, -12.86
CIELCh	92, 16.564, 230.911
Yxy	79.8384, 0.2758, 0.3107
Android (android.graphics.Color)	4290965247 (0xFFC2EEFF)
YUV	226.7820, 13.9115, -28.7498
Hunter-Lab	89.3523, -14.7835, -7.9776

# Details

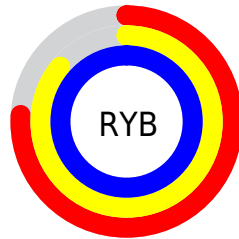
The XYZ color **70.8727, 79.8384, 106.2827** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2719, 71.7430, 60.9740**, and the grayscale version is **72.7758, 76.5658, 83.3801**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.5685, 43.0221, 59.7501** is the 20% darker color. If you saturate the color by 10%, you get **62.8536, 72.6958, 105.3267**, and if you desaturate by 10%, it is **80.1006, 87.7294, 107.3195**.

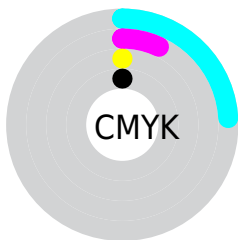
# Distribution



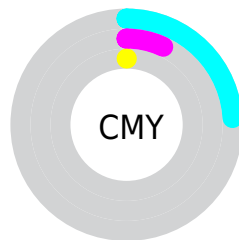
- Red (76%)
- Green (93%)
- Blue (100%)



- 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 70.8727, 79.8384, 106.2827 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 70.8727, 79.8384, 106.2827 by changing the saturation by 10% instead.



70.8727, 79.8384,  
106.2827

70.8727, 79.8384,  
106.2827

452.8271,  
494.3881, 601.5711

52.5205, 59.5854,  
80.9117

119.4719,  
133.1385, 171.8915

37.6460, 43.0845,  
59.9383

150.4497,  
166.9544, 212.9664

25.8841, 29.9514,  
42.9440

186.3666,  
206.0600, 260.1131

16.8691, 19.8017,  
29.5101

227.5882,  
250.8398, 313.7500

10.2360, 12.2510,  
19.2181

274.4796,  
301.6781, 374.2957

5.6192, 6.9149,  
11.6496

327.4063,

2.6534, 3.4089,

358.9593, 442.1688

6.3859

386.7337,  
423.0678, 517.7877

■ 0.9732, 1.3488,  
3.0086

■ 0.0000, 0.1785,  
1.0990

■ 70.8727, 79.8384,  
106.2827

■ 70.8727, 79.8384,  
106.2827

■ 62.8536, 72.6958,  
105.3267

■ 80.1006, 87.7294,  
107.3195

■ 55.9787, 66.2609,  
104.4470

■ 90.5851, 96.3887,  
108.4383

■ 50.1869, 60.5027,  
103.6408

95.0500, 100.0000,  
108.9000

■ 45.4081, 55.3839,  
102.9046

■ 41.5641, 50.8623,  
102.2345

■ 38.5638, 46.8898,  
101.6259

■ 36.2962, 43.4076,  
101.0732

■ 35.1801, 41.4803,  
100.7600

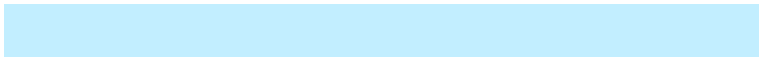
# Harmonies

## Analogous

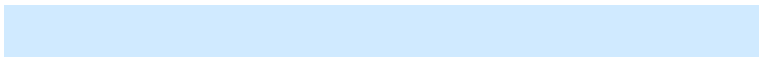
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5404, 79.8384, 95.5081



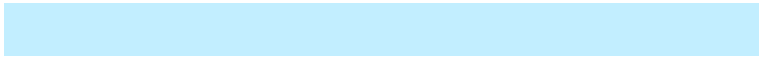
70.8727, 79.8384, 106.2827



74.6071, 79.8384, 112.0068

# Triad

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



70.8727, 79.8384, 106.2827



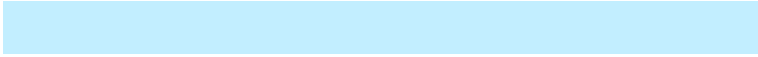
84.1979, 79.8384, 90.6603



73.0192, 79.8384, 66.9449

# Complementary

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



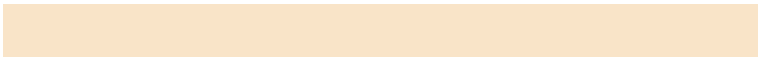
70.8727, 79.8384, 106.2827



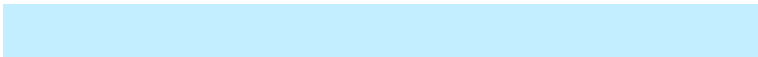
74.2719, 71.7430, 60.9740

# 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.



77.1754, 79.8384, 65.9075



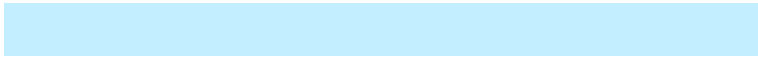
70.8727, 79.8384, 106.2827



83.7342, 79.8384, 78.8824

# Square

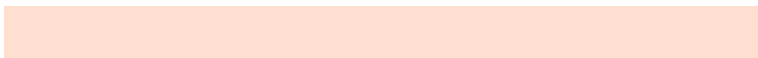
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



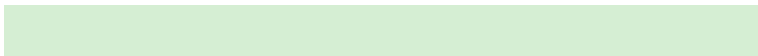
70.8727, 79.8384, 106.2827



82.3704, 79.8384, 102.4524



81.1261, 79.8384, 70.0826

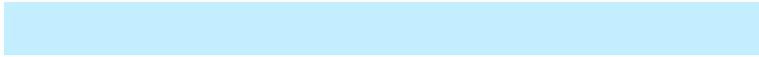


69.7474, 79.8384, 73.0612



# Rectangle

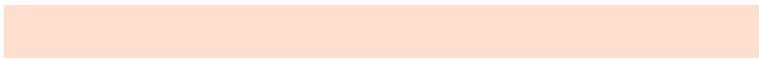
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8727, 79.8384, 106.2827



77.4333, 79.8384, 111.8546



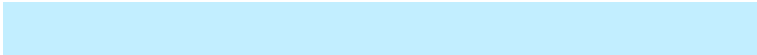
81.1261, 79.8384, 70.0826



74.3555, 79.8384, 66.0145

# Sweetspot

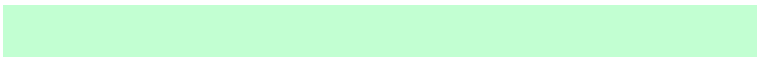
The Sweet Spot groups the original color and five complimentary colors.



70.8748, 79.8415, 106.2832



87.2190, 93.6380, 108.0848



69.6754, 87.6563, 74.3957



18.5303, 19.9289, 23.1200



0.0000, 0.0000, 0.0000

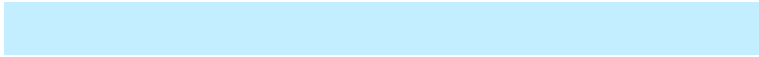


20.3446, 21.4041, 23.3091

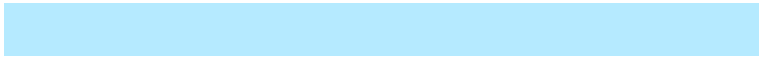


# Same Dimension

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



70.8748, 79.8415, 106.2832



66.6533, 76.1209, 105.7875



62.9124, 63.9166, 103.6290



18.1019, 19.5754, 23.0743



18.5146, 21.9388, 52.6934



1.8948, 2.3203, 5.1613



# Inverse Universe

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



75.9658, 66.0183, 89.6315



72.6822, 60.2914, 85.9468



82.3645, 87.9282, 63.6716



18.5641, 18.2089, 21.5876



26.1335, 12.9427, 25.1514

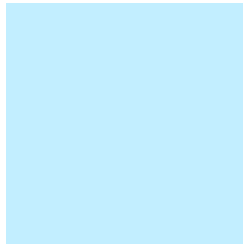


2.5910, 1.2788, 2.6937



# Previews

## White Background



This preview shows how the XYZ color 70.8727, 79.8384, 106.2827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

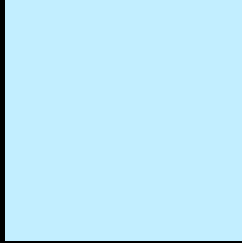
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8727, 79.8384, 106.2827 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 70.8727, 79.8384, 106.2827**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8727, 79.8384, 106.2827.



This preview shows how white text looks on a background with the XYZ color 70.8727, 79.8384,



# 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

70.8727, 79.8384, 106.2827

### Protanopia

77.4313, 79.5362, 100.8935

### Deuteranopia

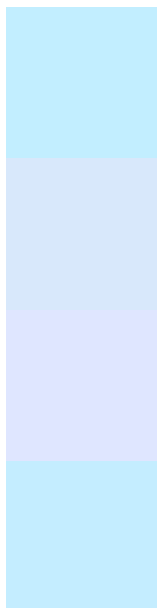
80.5718, 79.4211, 105.6910



## **Tritanopia**

71.3601, 79.6587, 106.2223

# Trichromacy



## Original Color

70.8727, 79.8384, 106.2827

## Protanomaly

74.5881, 79.2772, 102.6376

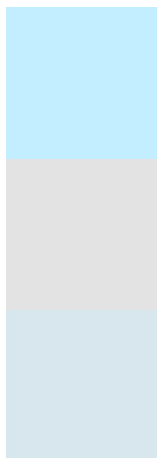
## Deuteranomaly

76.7782, 79.5016, 105.9064

## Tritanomaly

71.0991, 79.5241, 106.2101

# Monochromacy



## Original Color

70.8727, 79.8384, 106.2827

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

71.8863, 77.7133, 91.3321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8727, 79.8384, 106.2827 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8727, 79.8384, 106.2827 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, 238, 255) }
```



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

```
.border{ border-color:rgb(194, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8727, 79.8384, 106.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 238, 255) }
```

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

```
.background{ background-color: rgb(194,  
238, 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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