

# Converting Colors

XYZ(82.2291, 85.1938,  
164.9146)

Have a look what the booklet for  
XYZ(82.2291, 85.1938, 164.9146)  
contains.

|  |    |
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# Color

**XYZ(71.2024, 80.8776,  
106.4659)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | C1F0FF                      |
| RGB         | 193, 240, 255               |
| RGB Percent | 76%, 94%, 100%              |
| CMY         | 0.2431, 0.0588, 0.0000      |
| CMYK        | 0.24, 0.06, 0.00, 0.00      |
| HSL         | 195°, 100%, 88%             |
| HSV         | 195°, 24%, 100%             |
| XYZ         | 71.2024, 80.8776, 106.4659  |
| YIQ         | 227.6570, -32.8270, -5.2990 |

# Conversions

## Conversions Part 2

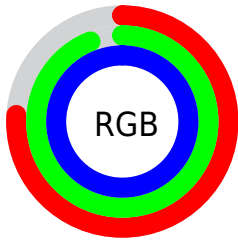
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 193, 220, 255                  |
| Decimal                             | 12710143                       |
| CIE Lab                             | 92.08, -11.75, -12.17          |
| CIE LCh                             | 92, 16.913, 226.014            |
| Yxy                                 | 80.8776, 0.2754,<br>0.3128     |
| Android<br>(android.graphics.Color) | 4290900223<br>(0xFFC1F0FF)     |
| YUV                                 | 227.6570, 13.4801,<br>-30.3942 |
| Hunter-Lab                          | 89.9320, -16.0560,<br>-7.2380  |

# Details

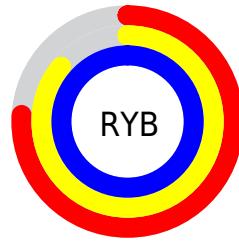
The XYZ color **71.2024, 80.8776, 106.4659** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4215, 70.2214, 60.1382**, and the grayscale version is **73.4159, 77.2393, 84.1136**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **37.8148, 43.7615, 59.8798** is the 20% darker color. If you saturate the color by 10%, you get **63.4693, 74.2432, 105.5929**, and if you desaturate by 10%, it is **80.1224, 88.2196, 107.4129**.

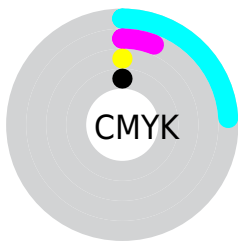
# Distribution



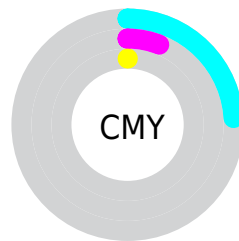
- Red (76%)
- Green (94%)
- Blue (100%)



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



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2024, 80.8776, 106.4659 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 71.2024, 80.8776, 106.4659 by changing the saturation by 10% instead.



71.2024, 80.8776,  
106.4659

71.2024, 80.8776,  
106.4659

453.9615,  
497.8855, 602.1528

52.7905, 60.4408,  
81.0645

119.9388,  
134.5989, 172.1439

37.8624, 43.7740,  
60.0634

150.9941,  
168.6522, 213.2576

26.0526, 30.4929,  
43.0441

186.9945,  
208.0131, 260.4457

16.9959, 20.2130,  
29.5881

228.3054,  
253.0660, 314.1269

10.3269, 12.5500,  
19.2767

275.2922,  
304.1952, 374.7197

5.6801, 7.1194,  
11.6916

328.3203,

2.6904, 3.5369,

361.7853, 442.6425

6.4141

387.7549,  
426.2206, 518.3141

■ 0.9922, 1.4180,  
3.0256

■ 0.0000, 0.2300,  
1.1077

■ 71.2024, 80.8776,  
106.4659

■ 71.2024, 80.8776,  
106.4659

■ 63.4693, 74.2432,  
105.5929

■ 80.1224, 88.2196,  
107.4129

■ 56.8583, 68.2760,  
104.7896

■ 90.2766, 96.2883,  
108.4352

■ 51.3086, 62.9456,  
104.0532

95.0500, 100.0000,  
108.9000

■ 46.7502, 58.2153,  
103.3804

■ 43.1046, 54.0434,  
102.7673

■ 40.2807, 50.3822,  
102.2095

■ 38.1668, 47.1729,  
101.7014

■ 37.1913, 45.5027,  
101.4304

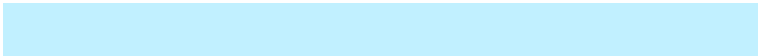
# Harmonies

## Analogous

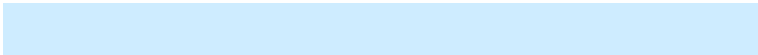
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1015, 80.8776, 94.8438



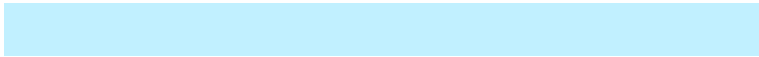
71.2024, 80.8776, 106.4659



74.8658, 80.8776, 113.4391

# Triad

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



71.2024, 80.8776, 106.4659



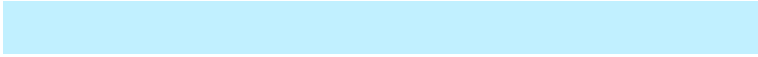
85.2857, 80.8776, 93.9855



74.5851, 80.8776, 66.9661

# Complementary

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



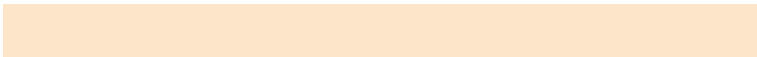
71.2024, 80.8776, 106.4659



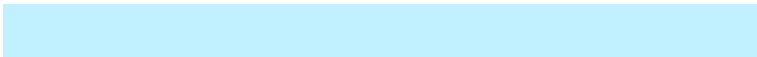
73.4215, 70.2214, 60.1382

# 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.



78.9132, 80.8776, 66.7833



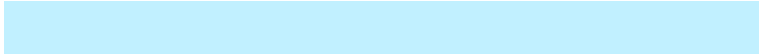
71.2024, 80.8776, 106.4659



85.2036, 80.8776, 81.6114

# Square

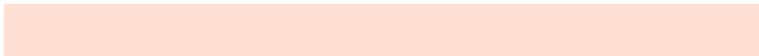
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



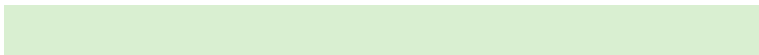
71.2024, 80.8776, 106.4659



83.0546, 80.8776, 105.7866



82.8343, 80.8776, 71.9114

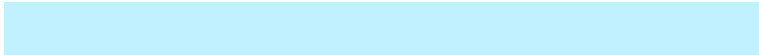


71.0036, 80.8776, 72.4367



# Rectangle

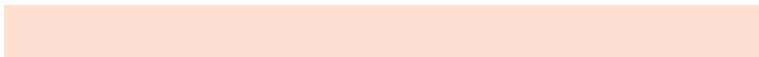
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2024, 80.8776, 106.4659



77.7522, 80.8776, 114.1259



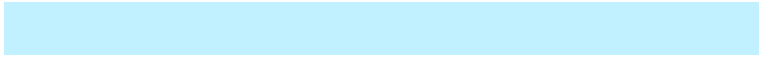
82.8343, 80.8776, 71.9114



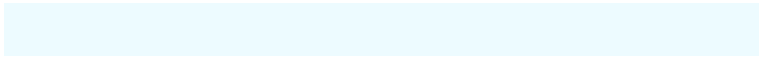
75.9979, 80.8776, 66.3030

# Sweetspot

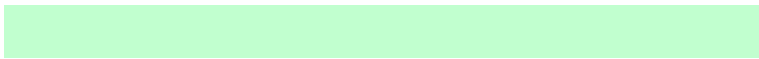
The Sweet Spot groups the original color and five complimentary colors.



71.2046, 80.8808, 106.4664



87.4233, 94.0466, 108.1528



69.0730, 87.3858, 72.5592



18.5777, 20.0237, 23.1358



0.0000, 0.0000, 0.0000

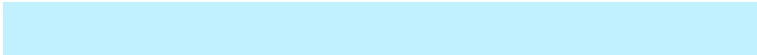


20.3446, 21.4041, 23.3091

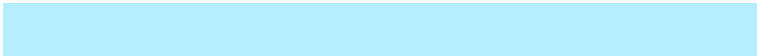


# Same Dimension

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



71.2046, 80.8808, 106.4664



67.4348, 77.6839, 106.0480



62.9752, 64.4221, 103.7233



18.1608, 19.6931, 23.0939



19.5557, 24.0209, 53.0404



1.9888, 2.5084, 5.1926



# Inverse Universe

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



76.0395, 65.6928, 91.1140



73.0767, 60.4491, 88.0240



81.5768, 86.5320, 62.8567



18.5938, 18.2208, 21.7440



26.6590, 13.1529, 27.9184

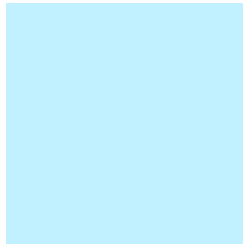


2.6385, 1.2978, 2.9436



# Previews

## White Background



This preview shows how the XYZ color 71.2024, 80.8776, 106.4659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

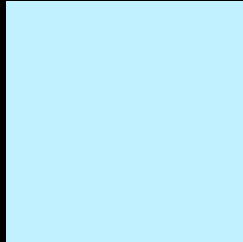
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2024, 80.8776, 106.4659 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

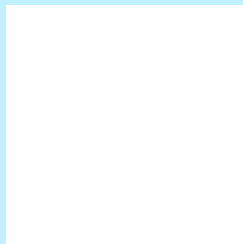
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.2024, 80.8776, 106.4659

## Background



This preview shows how black text looks on a background with the XYZ color 71.2024, 80.8776, 106.4659.



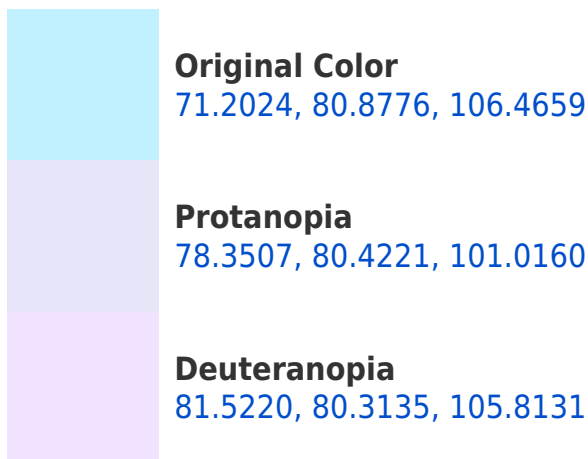
This preview shows how white text looks on a background with the XYZ color 71.2024, 80.8776,



# 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

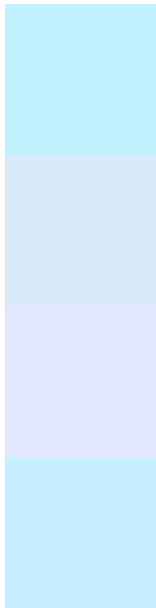




## Tritanopia

72.4440, 80.6484, 106.3562

# Trichromacy



## Original Color

71.2024, 80.8776, 106.4659

## Protanomaly

75.4507, 80.5624, 102.8402

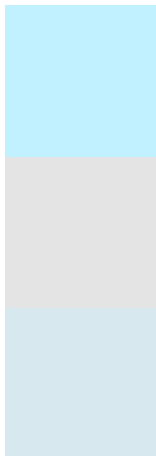
## Deuteranomaly

77.3664, 80.2191, 106.0139

## Tritanomaly

71.9425, 80.8233, 106.4164

# Monochromacy



## Original Color

71.2024, 80.8776, 106.4659

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.3136, 78.3333, 92.1974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2024, 80.8776, 106.4659 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(193, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 240, 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(193, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2024, 80.8776, 106.4659 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(193, 240, 255) }
```



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

```
.border{ border-color:rgb(193, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2024, 80.8776, 106.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 240, 255) }
```

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

```
.background{ background-color: rgb(193,  
240, 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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