

# Converting Colors

XYZ(70.4024, 80.0294,  
106.3444)

Have a look what the booklet for  
XYZ(70.4024, 80.0294, 106.3444)  
contains.

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# **Color**

**XYZ(70.4024, 80.0294,  
106.3444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFEFFF
RGB	191, 239, 255
RGB Percent	75%, 94%, 100%
CMY	0.2510, 0.0627, 0.0000
CMYK	0.25, 0.06, 0.00, 0.00
HSL	195°, 100%, 87%
HSV	195°, 25%, 100%
XYZ	70.4024, 80.0294, 106.3444
YIQ	226.4720, -33.7440, -5.2000

# Conversions

## Conversions Part 2

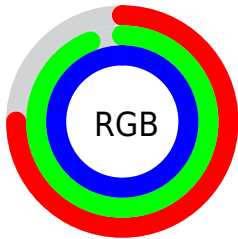
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 218, 255
Decimal	12578815
CIE Lab	91.70, -11.82, -12.75
CIE LCh	92, 17.383, 227.164
Yxy	80.0294, 0.2742, 0.3117
Android (android.graphics.Color)	4290768895 (0xFFBFEFFF)
YUV	226.4720, 14.0643, -31.1089
Hunter-Lab	89.4592, -16.0779, -7.8595

# Details

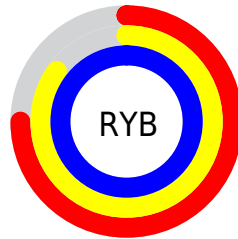
The XYZ color **70.4024, 80.0294, 106.3444** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.9568, 69.6467, 58.8900**, and the grayscale version is **72.5510, 76.3293, 83.1226**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **37.2799, 43.1784, 59.7955** is the 20% darker color. If you saturate the color by 10%, you get **62.7066, 73.3426, 105.4593**, and if you desaturate by 10%, it is **79.2847, 87.4295, 107.3046**.

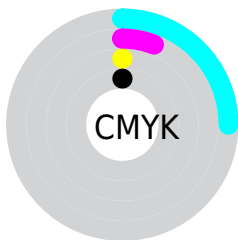
# Distribution



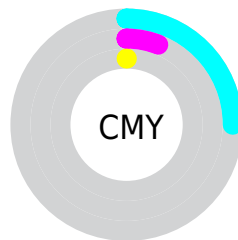
- Red (75%)
- Green (94%)
- Blue (100%)



- Red (75%)
- Yellow (85%)
- Blue (100%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4024, 80.0294, 106.3444 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 70.4024, 80.0294, 106.3444 by changing the saturation by 10% instead.



70.4024, 80.0294,  
106.3444

70.4024, 80.0294,  
106.3444

451.2060,  
495.0319, 601.7670

52.1354, 59.7425,  
80.9632

118.8056,  
133.4071, 171.9765

37.3377, 43.2112,  
59.9804

149.6725,  
167.2667, 213.0645

25.6440, 30.0508,  
42.9777

185.4701,  
206.4193, 260.2251

16.6888, 19.8772,  
29.5363

226.5638,  
251.2494, 313.8769

10.1068, 12.3058,  
19.2379

273.3188,  
302.1413, 374.4385

5.5326, 6.9523,  
11.6637

326.1007,

2.6010, 3.4323,

359.4794, 442.3283

6.3954

385.2746,  
423.6482, 517.9650

■ 0.9464, 1.3614,  
3.0143

■ 0.0000, 0.1880,  
1.1019

■ 70.4024, 80.0294,  
106.3444

■ 70.4024, 80.0294,  
106.3444

■ 62.7066, 73.3426,  
105.4593

■ 79.2847, 87.4295,  
107.3046

■ 56.1323, 67.3287,  
104.6450

■ 89.4015, 95.5627,  
108.3412

■ 50.6179, 61.9569,  
103.8988

95.0500, 100.0000,  
108.9000

■ 46.0931, 57.1899,  
103.2171

■ 42.4783, 52.9857,  
102.5962

■ 39.6811, 49.2955,  
102.0313

■ 37.5876, 46.0595,  
101.5170

■ 36.7388, 44.5975,  
101.2796

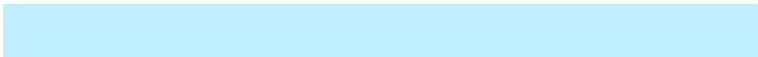
# Harmonies

## Analogous

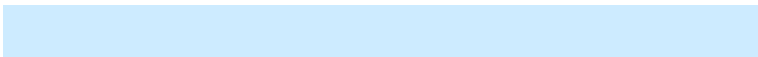
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1897, 80.0294, 94.5619



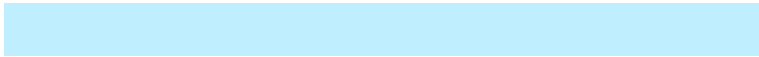
70.4024, 80.0294, 106.3444



74.1829, 80.0294, 113.2436

# Triad

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



70.4024, 80.0294, 106.3444



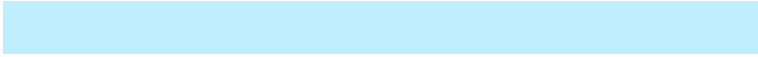
84.7050, 80.0294, 92.6890



73.5715, 80.0294, 65.7850

# Complementary

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



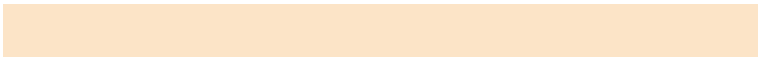
70.4024, 80.0294, 106.3444



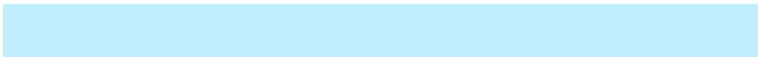
72.9568, 69.6467, 58.8900

# Split Complementary

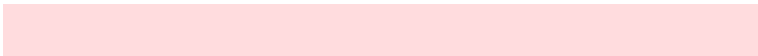
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9797, 80.0294, 65.3891



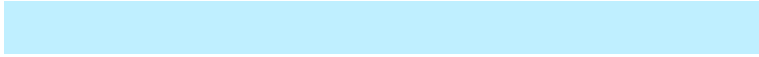
70.4024, 80.0294, 106.3444



84.5257, 80.0294, 80.1140

# Square

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



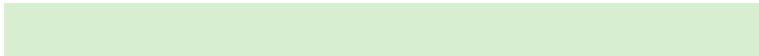
70.4024, 80.0294, 106.3444



82.5054, 80.0294, 104.8588



82.0245, 80.0294, 70.3963

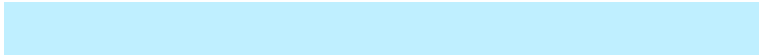


69.9699, 80.0294, 71.5361



# Rectangle

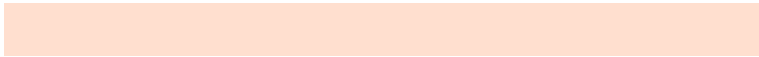
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4024, 80.0294, 106.3444



77.1362, 80.0294, 113.7451



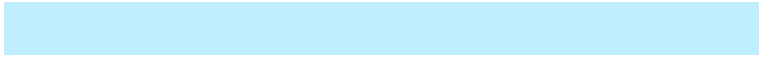
82.0245, 80.0294, 70.3963



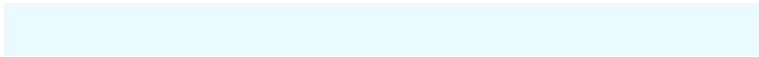
75.0048, 80.0294, 65.0425

# Sweetspot

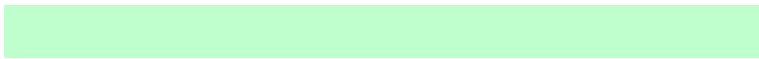
The Sweet Spot groups the original color and five complimentary colors.



70.4045, 80.0325, 106.3449



86.3339, 93.1240, 108.0322



68.3794, 87.0499, 71.5500



18.1478, 19.6672, 23.0896



0.0000, 0.0000, 0.0000

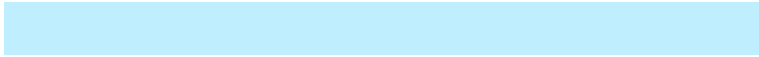


20.3446, 21.4041, 23.3091

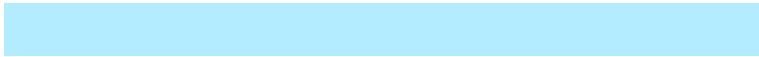


# Same Dimension

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



70.4045, 80.0325, 106.3449



66.4859, 76.6659, 105.9016



62.1094, 63.4422, 103.5798



18.1478, 19.6672, 23.0896



19.3215, 23.5526, 52.9623



1.9678, 2.4662, 5.1856



# Inverse Universe

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



75.4522, 64.7553, 90.1872



72.3829, 59.3493, 86.9058



81.1997, 86.1325, 61.6376



18.5873, 18.2182, 21.7096



26.5408, 13.1056, 27.2961

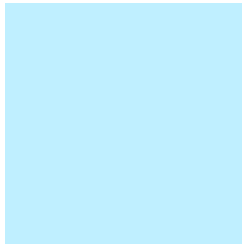


2.6278, 1.2935, 2.8876



# Previews

## White Background



This preview shows how the XYZ color 70.4024, 80.0294, 106.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

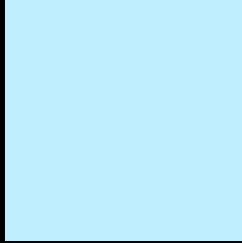
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4024, 80.0294, 106.3444 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 70.4024, 80.0294, 106.3444

## Background



This preview shows how black text looks on a background with the XYZ color 70.4024, 80.0294, 106.3444.



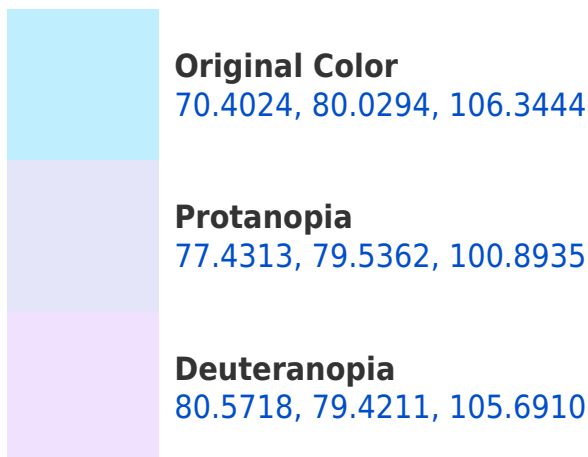
This preview shows how white text looks on a background with the XYZ color 70.4024, 80.0294,



# 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

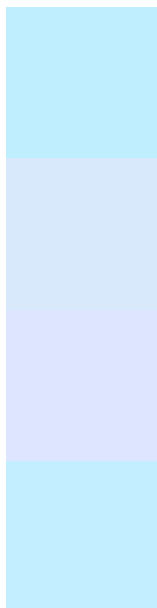




## Tritanopia

71.3895, 80.1048, 106.3069

# Trichromacy



## Original Color

70.4024, 80.0294, 106.3444

## Protanomaly

74.5758, 79.6899, 102.7179

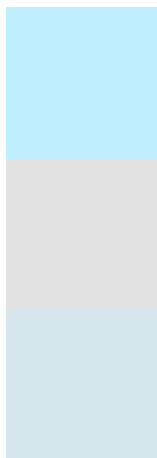
## Deuteranomaly

76.4710, 79.3432, 105.8921

## Tritanomaly

70.8727, 79.8384, 106.2827

# Monochromacy



## Original Color

70.4024, 80.0294, 106.3444

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.3025, 77.4124, 91.3048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4024, 80.0294, 106.3444 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(191, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4024, 80.0294, 106.3444 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(191, 239, 255) }
```



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

```
.border{ border-color:rgb(191, 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(191, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4024, 80.0294, 106.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 239, 255) }
```

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

```
.background{ background-color: rgb(191,  
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](#).

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