

# Converting Colors

XYZ(73.1295, 82.1085,  
119.4712)

Have a look what the booklet for  
XYZ(73.1295, 82.1085, 119.4712)  
contains.

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# Color

**XYZ(70.7405, 81.0777,  
106.5289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF1FF
RGB	190, 241, 255
RGB Percent	75%, 95%, 100%
CMY	0.2549, 0.0549, 0.0000
CMYK	0.25, 0.05, 0.00, 0.00
HSL	193°, 100%, 87%
HSV	193°, 25%, 100%
XYZ	70.7405, 81.0777, 106.5289
YIQ	227.3470, -34.8900, -6.4580

# Conversions

## Conversions Part 2

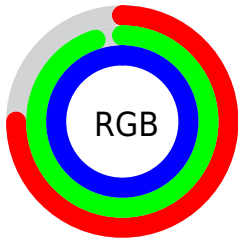
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 219, 255
Decimal	12513791
CIE <sub>Lab</sub>	92.17, -13.11, -12.05
CIE <sub>LCh</sub>	92, 17.813, 222.590
Yxy	81.0777, 0.2738, 0.3138
Android (android.graphics.Color)	4290703871 (0xFFBEF1FF)
YUV	227.3470, 13.6329, -32.7533
Hunter-Lab	90.0432, -17.3408, -7.1150

# Details

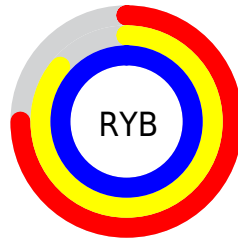
The XYZ color **70.7405, 81.0777, 106.5289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1272, 68.1629, 58.0723**, and the grayscale version is **73.1900, 77.0016, 83.8548**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **37.5337, 43.9260, 59.9264** is the 20% darker color. If you saturate the color by 10%, you get **63.3196, 74.8775, 105.7232**, and if you desaturate by 10%, it is **79.3290, 87.9567, 107.4040**.

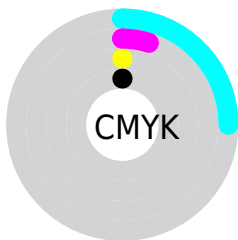
# Distribution



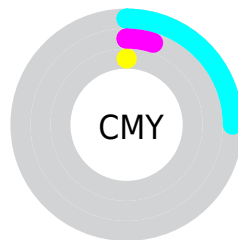
- Red (75%)
- Green (95%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7405, 81.0777, 106.5289 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 70.7405, 81.0777, 106.5289 by changing the saturation by 10% instead.



70.7405, 81.0777,  
106.5289

70.7405, 81.0777,  
106.5289

452.3717,  
498.5574, 602.3528

52.4122, 60.6056,  
81.1170

119.2847,  
134.8799, 172.2307

37.5594, 43.9069,  
60.1064

150.2313,  
168.9787, 213.3577

25.8165, 30.5974,  
43.0786

186.1147,  
208.3886, 260.5601

16.8184, 20.2924,  
29.6149

227.3004,  
253.4939, 314.2565

10.1996, 12.6078,  
19.2969

274.1535,  
304.6791, 374.8654

5.5948, 7.1590,  
11.7060

327.0396,

2.6386, 3.5618,

362.3284, 442.8054

6.4237

386.3238,  
426.8264, 518.4950

■ 0.9657, 1.4316,  
3.0315

■ 0.0000, 0.2398,  
1.1107

■ 70.7405, 81.0777,  
106.5289

■ 70.7405, 81.0777,  
106.5289

■ 63.3196, 74.8775,  
105.7232

■ 79.3290, 87.9567,  
107.4040

■ 57.0012, 69.3157,  
104.9827

■ 89.1328, 95.5334,  
108.3497

■ 51.7239, 64.3620,  
104.3047

95.0500, 100.0000,  
108.9000

■ 47.4171, 59.9795,  
103.6858

■ 44.0013, 56.1265,  
103.1221

■ 41.3835, 52.7543,  
102.6092

■ 39.4491, 49.8033,  
102.1415

■ 38.7256, 48.5713,  
101.9419

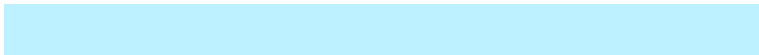
# Harmonies

## Analogous

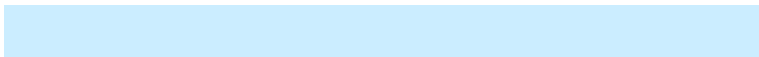
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.7592, 81.0777, 93.9092



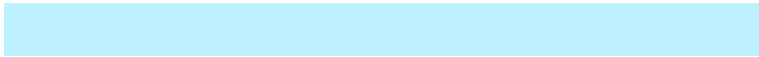
70.7405, 81.0777, 106.5289



74.4493, 81.0777, 114.6831

# Triad

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



70.7405, 81.0777, 106.5289



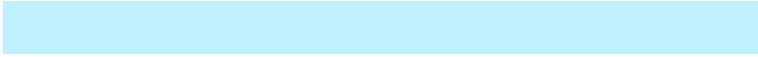
85.8007, 81.0777, 96.0668



75.1527, 81.0777, 65.8223

# Complementary

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



70.7405, 81.0777, 106.5289



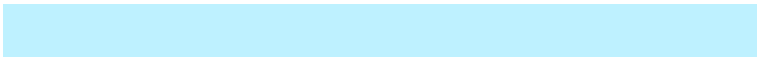
72.1272, 68.1629, 58.0723

# 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.



79.7350, 81.0777, 66.2760



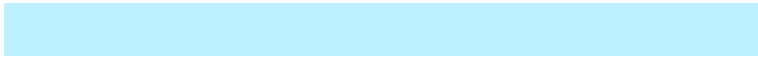
70.7405, 81.0777, 106.5289



86.0074, 81.0777, 82.8801

# Square

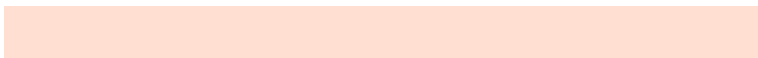
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7405, 81.0777, 106.5289



83.1952, 81.0777, 108.2430



83.7491, 81.0777, 72.2438

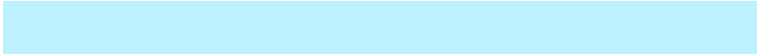


71.2378, 81.0777, 70.9357

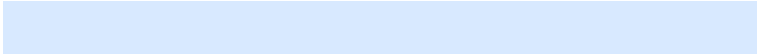


# Rectangle

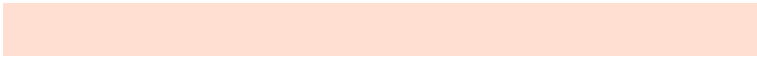
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



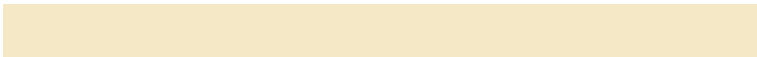
70.7405, 81.0777, 106.5289



77.4617, 81.0777, 116.0374



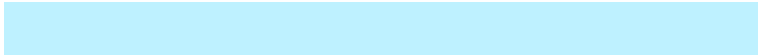
83.7491, 81.0777, 72.2438



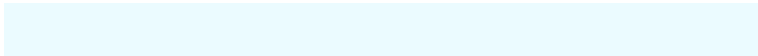
76.6635, 81.0777, 65.3445

# Sweetspot

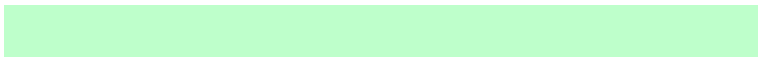
The Sweet Spot groups the original color and five complimentary colors.



70.7427, 81.0809, 106.5294



86.5537, 93.5635, 108.1054



67.7758, 86.7795, 69.6795



18.2034, 19.7785, 23.1082



0.0000, 0.0000, 0.0000

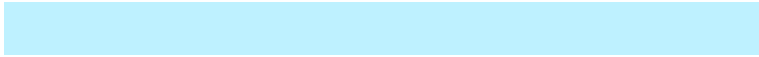


20.3446, 21.4041, 23.3091

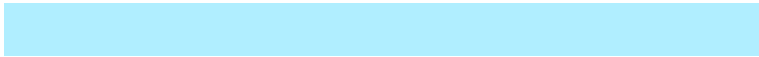


# Same Dimension

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



70.7427, 81.0809, 106.5294



66.5115, 77.5809, 106.0768



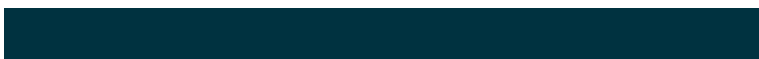
62.2099, 64.0153, 103.6851



18.2034, 19.7785, 23.1082



20.3489, 25.6074, 53.3048



2.0599, 2.6505, 5.2163



# Inverse Universe

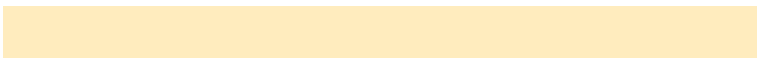
The Inverse Universe completely reimagines the original color for something new.



75.5320, 64.4395, 91.6798



72.1850, 58.4629, 88.3523



80.3866, 84.6818, 60.8254



18.6153, 18.2294, 21.8574



27.0594, 13.3130, 30.0268

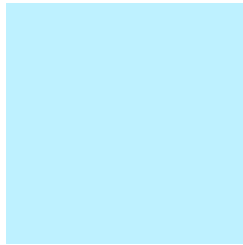


2.6744, 1.3121, 3.1325



# Previews

## White Background



This preview shows how the XYZ color 70.7405, 81.0777, 106.5289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

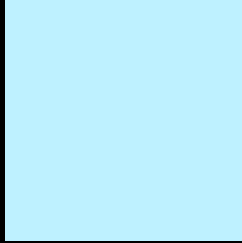
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7405, 81.0777, 106.5289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

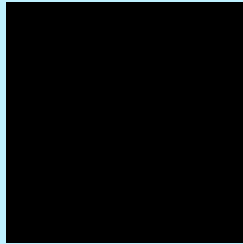
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.7405, 81.0777, 106.5289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7405, 81.0777, 106.5289.



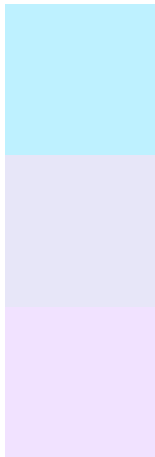
This preview shows how white text looks on a background with the XYZ color 70.7405, 81.0777,



# 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

70.7405, 81.0777, 106.5289

### Protanopia

78.1951, 80.3599, 100.1966

### Deuteranopia

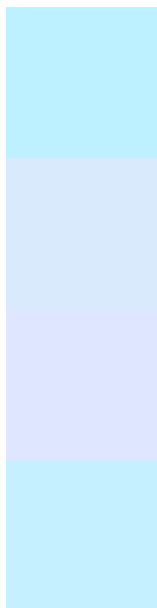
81.5220, 80.3135, 105.8131



## Tritanopia

72.4697, 81.0951, 106.4411

# Trichromacy



## Original Color

70.7405, 81.0777, 106.5289

## Protanomaly

75.1543, 80.4096, 102.8263

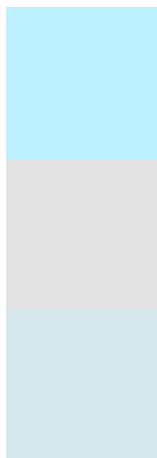
## Deuteranomaly

76.7501, 79.9014, 105.9851

## Tritanomaly

71.9750, 81.2759, 106.5021

# Monochromacy



## Original Color

70.7405, 81.0777, 106.5289

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

71.8742, 78.1238, 91.4120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7405, 81.0777, 106.5289 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(190, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 241, 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(190, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7405, 81.0777, 106.5289 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(190, 241, 255) }
```



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

```
.border{ border-color:rgb(190, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(190, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7405, 81.0777, 106.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 241, 255) }
```

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

```
.background{ background-color: rgb(190,  
241, 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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