

# Converting Colors

XYZ(71.9312, 80.0550,  
106.2687)

Have a look what the booklet for  
XYZ(71.9312, 80.0550, 106.2687)  
contains.

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# Color

**XYZ(71.8874, 79.9305,  
106.2470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7EDFF
RGB	199, 237, 255
RGB Percent	78%, 93%, 100%
CMY	0.2196, 0.0706, 0.0000
CMYK	0.22, 0.07, 0.00, 0.00
HSL	199°, 100%, 89%
HSV	199°, 22%, 100%
XYZ	71.8874, 79.9305, 106.2470
YIQ	227.6900, -28.4260, -2.4580

# Conversions

## Conversions Part 2

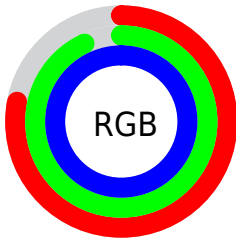
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 222, 255
Decimal	13102591
CIE <sub>Lab</sub>	91.65, -8.47, -12.76
CIE <sub>LCh</sub>	92, 15.317, 236.434
Yxy	79.9305, 0.2786, 0.3097
Android (android.graphics.Color)	4291292671 (0xFFC7EDFF)
YUV	227.6900, 13.4638, -25.1611
Hunter-Lab	89.4039, -12.9294, -7.8772

# Details

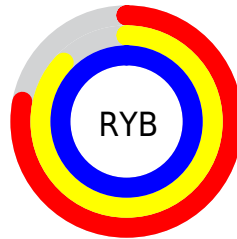
The XYZ color **71.8874, 79.9305, 106.2470** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3615, 75.0084, 64.4880**, and the grayscale version is **73.4378, 77.2623, 84.1387**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2185, 43.0543, 59.7221** is the 20% darker color. If you saturate the color by 10%, you get **63.3618, 72.0953, 105.1840**, and if you desaturate by 10%, it is **81.6594, 88.5733, 107.4002**.

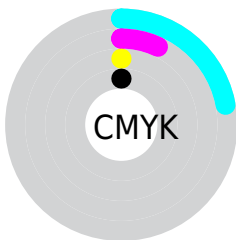
# Distribution



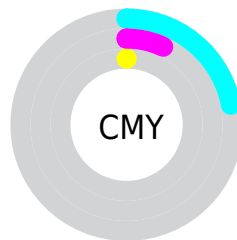
- Red (78%)
- Green (93%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8874, 79.9305, 106.2470 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 71.8874, 79.9305, 106.2470 by changing the saturation by 10% instead.



71.8874, 79.9305,  
106.2470

71.8874, 79.9305,  
106.2470

456.3133,  
494.6986, 601.4577

53.3518, 59.6612,  
80.8820

120.9081,  
133.2680, 171.8423

38.3123, 43.1456,  
59.9140

152.1239,  
167.1050, 212.9097

26.4035, 29.9994,  
42.9244

188.2973,  
206.2333, 260.0482

17.2600, 19.8381,  
29.4949

229.7934,  
251.0373, 313.6765

10.5165, 12.2774,  
19.2067

276.9777,  
301.9015, 374.2130

5.8076, 6.9329,  
11.6414

330.2156,

2.7680, 3.4202,

359.2101, 442.0764

6.3804

389.8723,  
423.3477, 517.6851

■ 1.0323, 1.3548,  
3.0053

■ 0.0000, 0.1831,  
1.0973

■ 71.8874, 79.9305,  
106.2470

■ 71.8874, 79.9305,  
106.2470

■ 63.3618, 72.0953,  
105.1840

■ 81.6594, 88.5733,  
107.4002

■ 56.0183, 65.0262,  
104.2066

■ 92.7252, 98.0442,  
108.6450

■ 49.7962, 58.6920,  
103.3119

■ 95.0500, 100.0000,  
108.9000

■ 44.6267, 53.0548,  
102.4963

■ 40.4326, 48.0727,  
101.7557

■ 37.1252, 43.6976,  
101.0855

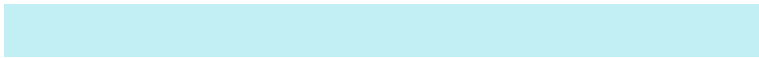
■ 34.5979, 39.8722,  
100.4803

■ 33.0037, 37.1275,  
100.0346

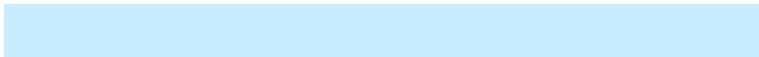
# Harmonies

## Analogous

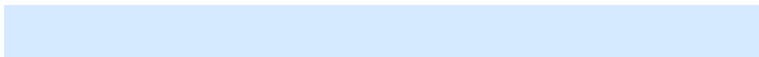
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4320, 79.9305, 96.9792



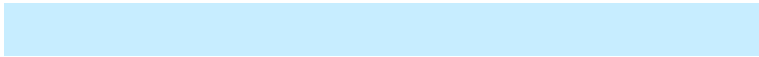
71.8874, 79.9305, 106.2470



75.5046, 79.9305, 110.3551

# Triad

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



71.8874, 79.9305, 106.2470



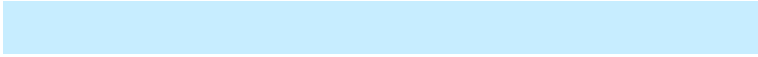
83.7304, 79.9305, 88.3777



72.6714, 79.9305, 69.1278

# Complementary

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



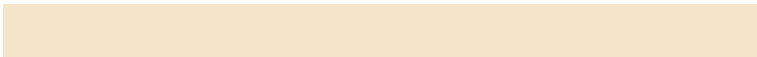
71.8874, 79.9305, 106.2470



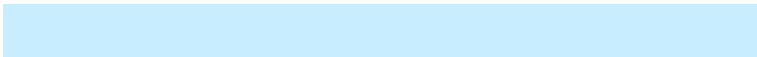
76.3615, 75.0084, 64.4880

# 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.



76.4404, 79.9305, 67.2488



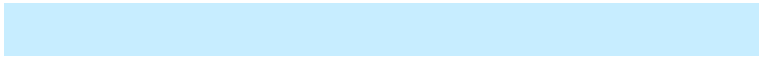
71.8874, 79.9305, 106.2470



82.9094, 79.9305, 77.7870

# Square

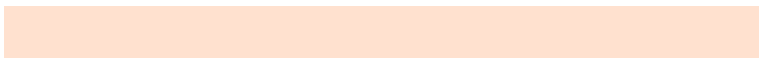
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



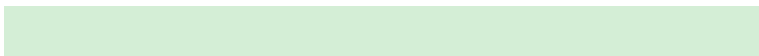
71.8874, 79.9305, 106.2470



82.4144, 79.9305, 99.4953



80.2075, 79.9305, 70.2835

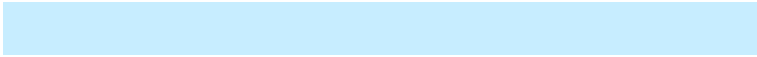


69.8736, 79.9305, 75.6532



# Rectangle

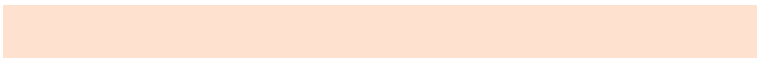
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8874, 79.9305, 106.2470



78.1199, 79.9305, 109.3756



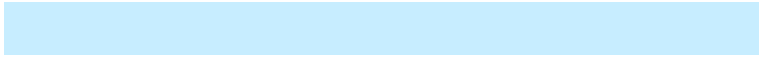
80.2075, 79.9305, 70.2835



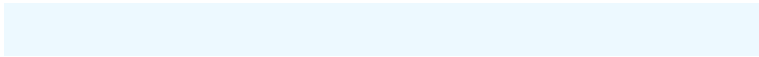
73.8629, 79.9305, 67.9574

# Sweetspot

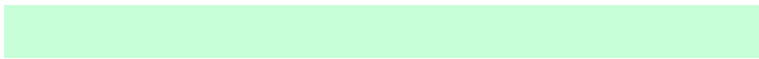
The Sweet Spot groups the original color and five complimentary colors.



71.8895, 79.9337, 106.2475



86.9824, 93.1649, 108.0059



71.8040, 88.6585, 78.7936



18.4755, 19.8191, 23.1017



0.0000, 0.0000, 0.0000

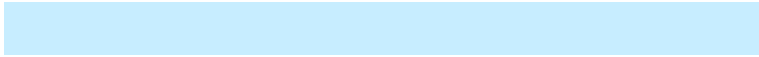


20.3446, 21.4041, 23.3091

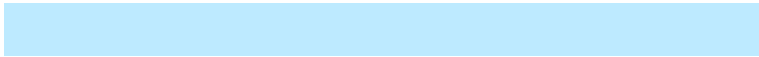


# Same Dimension

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



71.8895, 79.9337, 106.2475



68.2976, 76.6719, 105.8072



64.4705, 65.0956, 103.7745



18.0339, 19.4393, 23.0516



17.3862, 19.6820, 52.3172



1.7918, 2.1143, 5.1269



# Inverse Universe

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



76.9509, 68.2229, 89.2370



74.1804, 63.4492, 85.9486



84.1211, 90.5276, 67.0745



18.5297, 18.1952, 21.4067



25.5640, 12.7149, 22.1520

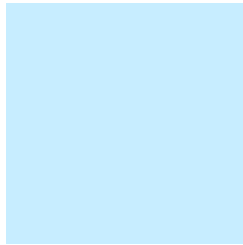


2.5390, 1.2580, 2.4199



# Previews

## White Background



This preview shows how the XYZ color 71.8874, 79.9305, 106.2470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

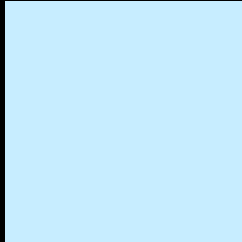
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8874, 79.9305, 106.2470 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

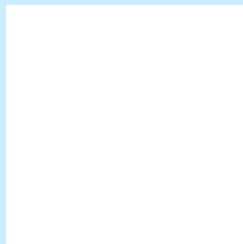
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8874, 79.9305, 106.2470**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8874, 79.9305, 106.2470.



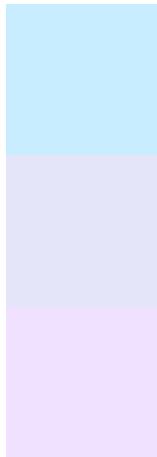
This preview shows how white text looks on a background with the XYZ color 71.8874, 79.9305,



# 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

71.8874, 79.9305, 106.2470

### Protanopia

77.5877, 79.5988, 101.7173

### Deuteranopia

80.5718, 79.4211, 105.6910



## Tritanopia

72.1536, 80.0677, 106.2595

# Trichromacy



## Original Color

71.8874, 79.9305, 106.2470

## Protanomaly

75.3407, 79.6469, 103.4980

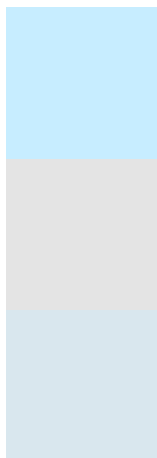
## Deuteranomaly

76.8098, 79.1059, 105.8284

## Tritanomaly

72.1536, 80.0677, 106.2595

# Monochromacy



## Original Color

71.8874, 79.9305, 106.2470

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.6238, 78.0766, 92.1315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8874, 79.9305, 106.2470 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(199, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 237, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8874, 79.9305, 106.2470 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(199, 237, 255) }
```



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

```
.border{ border-color:rgb(199, 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(199, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8874, 79.9305, 106.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 237, 255) }
```

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

```
.background{ background-color: rgb(199,  
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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