

# Converting Colors

XYZ(71.6832, 79.7861,  
106.2299)

Have a look what the booklet for  
XYZ(71.6832, 79.7861, 106.2299)  
contains.

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# Color

**XYZ(71.6229, 79.7941,  
106.2346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6EDFF
RGB	198, 237, 255
RGB Percent	78%, 93%, 100%
CMY	0.2235, 0.0706, 0.0000
CMYK	0.22, 0.07, 0.00, 0.00
HSL	199°, 100%, 89%
HSV	199°, 22%, 100%
XYZ	71.6229, 79.7941, 106.2346
YIQ	227.3910, -29.0220, -2.6700

# Conversions

## Conversions Part 2

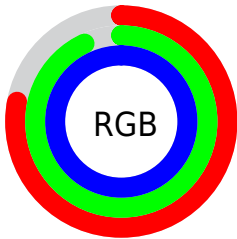
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 221, 255
Decimal	13037055
CIE Lab	91.59, -8.76, -12.86
CIE LCh	92, 15.563, 235.728
Yxy	79.7941, 0.2780, 0.3097
Android (android.graphics.Color)	4291227135 (0xFFC6EDFF)
YUV	227.3910, 13.6112, -25.7759
Hunter-Lab	89.3275, -13.2017, -7.9826

# Details

The XYZ color **71.6229, 79.7941, 106.2346** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.9889, 74.4483, 63.7928**, and the grayscale version is **73.2192, 77.0323, 83.8881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0446, 42.9646, 59.7139** is the 20% darker color. If you saturate the color by 10%, you get **63.1804, 72.0607, 105.1869**, and if you desaturate by 10%, it is **81.3059, 88.3265, 107.3712**.

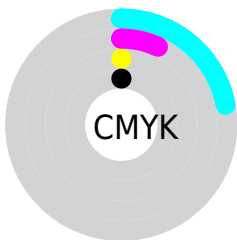
# Distribution



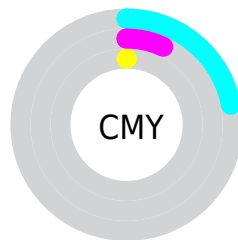
- Red (78%)
- Green (93%)
- Blue (100%)



- 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 71.6229, 79.7941, 106.2346 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 71.6229, 79.7941, 106.2346 by changing the saturation by 10% instead.



71.6229, 79.7941,  
106.2346

71.6229, 79.7941,  
106.2346

455.4060,  
494.2387, 601.4183

53.1350, 59.5489,  
80.8716

120.5339,  
133.0762, 171.8252

38.1385, 43.0552,  
59.9055

151.6879,  
166.8819, 212.8900

26.2679, 29.9284,  
42.9177

187.7945,  
205.9766, 260.0257

17.1579, 19.7842,  
29.4896

229.2192,  
250.7447, 313.6510

10.4431, 12.2383,  
19.2027

276.3274,  
301.5706, 374.1843

5.7583, 6.9062,  
11.6386

329.4843,

2.7379, 3.4035,

358.8386, 442.0443

6.3785

389.0554,  
422.9332, 517.6495

■ 1.0167, 1.3458,  
3.0041

■ 0.0000, 0.1763,  
1.0967

■ 71.6229, 79.7941,  
106.2346

■ 71.6229, 79.7941,  
106.2346

■ 63.1804, 72.0607,  
105.1869

■ 81.3059, 88.3265,  
107.3712

■ 55.9139, 65.0848,  
104.2234

■ 92.2770, 97.6782,  
108.5980

■ 49.7628, 58.8353,  
103.3413

■ 95.0500, 100.0000,  
108.9000

■ 44.6579, 53.2743,  
102.5370

■ 40.5217, 48.3598,  
101.8064

■ 37.2652, 44.0437,  
101.1449

■ 34.7808, 40.2682,  
100.5471

■ 33.2809, 37.6818,  
100.1270

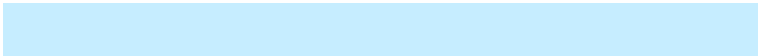
# Harmonies

## Analogous

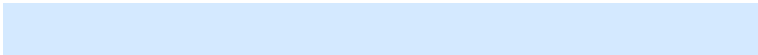
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1692, 79.7941, 96.7246



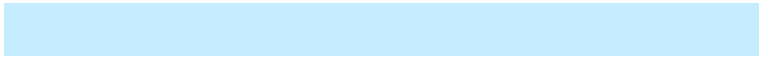
71.6229, 79.7941, 106.2346



75.2745, 79.7941, 110.5642

# Triad

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



71.6229, 79.7941, 106.2346



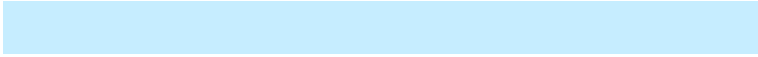
83.7138, 79.7941, 88.5215



72.5754, 79.7941, 68.6339

# Complementary

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



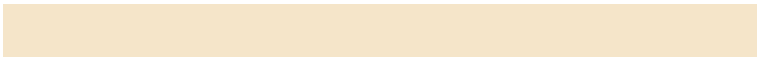
71.6229, 79.7941, 106.2346



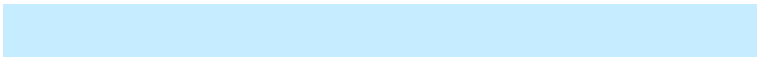
75.9889, 74.4483, 63.7928

# 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.



76.4121, 79.7941, 66.8491



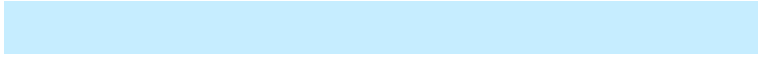
71.6229, 79.7941, 106.2346



82.9305, 79.7941, 77.7312

# Square

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



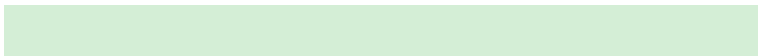
71.6229, 79.7941, 106.2346



82.3282, 79.7941, 99.7873



80.2234, 79.7941, 70.0355

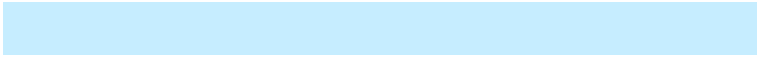


69.7055, 79.7941, 75.1407



# Rectangle

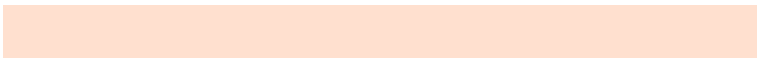
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6229, 79.7941, 106.2346



77.9305, 79.7941, 109.6765



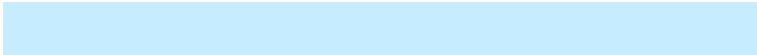
80.2234, 79.7941, 70.0355



73.7910, 79.7941, 67.4875

# Sweetspot

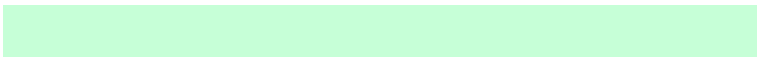
The Sweet Spot groups the original color and five complimentary colors.



71.6250, 79.7972, 106.2351



87.0136, 93.2272, 108.0163



71.3284, 88.4377, 77.6696



18.4827, 19.8336, 23.1041



0.0000, 0.0000, 0.0000

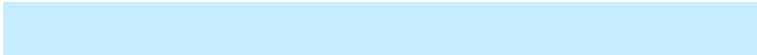


20.3446, 21.4041, 23.3091

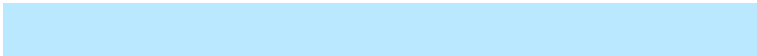


# Same Dimension

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



71.6250, 79.7972, 106.2351



67.5494, 76.1044, 105.7371



64.2388, 65.0248, 103.7730



18.0428, 19.4572, 23.0546



17.5300, 19.9697, 52.3652



1.8050, 2.1407, 5.1313



# Inverse Universe

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



76.7215, 67.7643, 89.1605



73.5760, 62.3392, 85.4422



83.6640, 89.7986, 66.3512



18.5343, 18.1970, 21.4305



25.6366, 12.7439, 22.5343

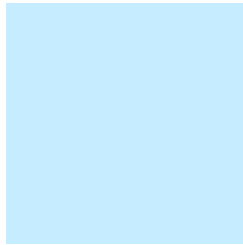


2.5457, 1.2606, 2.4550



# Previews

## White Background



This preview shows how the XYZ color 71.6229, 79.7941, 106.2346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

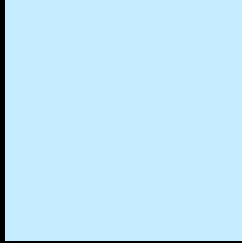
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6229, 79.7941, 106.2346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

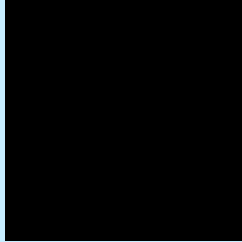
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

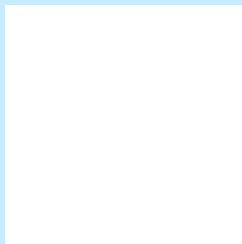
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.6229, 79.7941, 106.2346

## Background



This preview shows how black text looks on a background with the XYZ color 71.6229, 79.7941, 106.2346.



This preview shows how white text looks on a background with the XYZ color 71.6229, 79.7941,



# 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

71.6229, 79.7941, 106.2346

### Protanopia

77.5877, 79.5988, 101.7173

### Deuteranopia

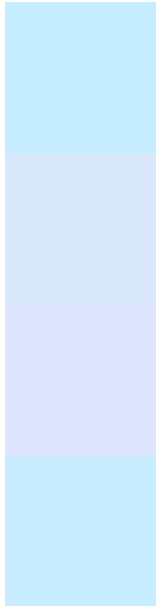
80.5718, 79.4211, 105.6910



## **Tritanopia**

71.8874, 79.9305, 106.2470

# Trichromacy



## Original Color

71.6229, 79.7941, 106.2346

## Protanomaly

75.3407, 79.6469, 103.4980

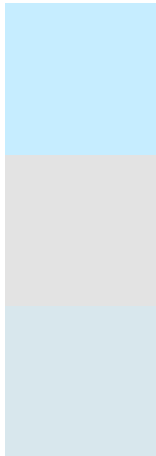
## Deuteranomaly

76.8098, 79.1059, 105.8284

## Tritanomaly

71.8874, 79.9305, 106.2470

# Monochromacy



## Original Color

71.6229, 79.7941, 106.2346

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.1809, 77.8652, 91.3459

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6229, 79.7941, 106.2346 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(198, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 237, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6229, 79.7941, 106.2346 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(198, 237, 255) }
```



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

```
.border{ border-color:rgb(198, 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(198, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6229, 79.7941, 106.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 237, 255) }
```

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

```
.background{ background-color: rgb(198,  
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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