

# Converting Colors

XYZ(76.3651, 82.5392,  
130.5398)

Have a look what the booklet for  
XYZ(76.3651, 82.5392, 130.5398)  
contains.

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# Color

**XYZ(71.6815, 80.6888,  
106.4042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4EFFF
RGB	196, 239, 255
RGB Percent	77%, 94%, 100%
CMY	0.2314, 0.0627, 0.0000
CMYK	0.23, 0.06, 0.00, 0.00
HSL	196°, 100%, 88%
HSV	196°, 23%, 100%
XYZ	71.6815, 80.6888, 106.4042
YIQ	227.9670, -30.7640, -4.1400

# Conversions

## Conversions Part 2

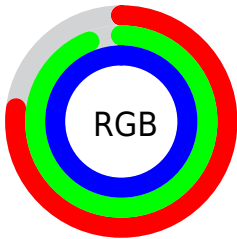
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 221, 255
Decimal	12906495
CIE <sub>Lab</sub>	91.99, -10.37, -12.28
CIE <sub>LCh</sub>	92, 16.068, 229.819
Yxy	80.6888, 0.2770, 0.3118
Android (android.graphics.Color)	4291096575 (0xFFC4EFFF)
YUV	227.9670, 13.3273, -28.0351
Hunter-Lab	89.8269, -14.7550, -7.3529

# Details

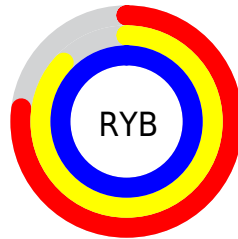
The XYZ color **71.6815, 80.6888, 106.4042** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7472, 72.3318, 62.2482**, and the grayscale version is **73.6423, 77.4774, 84.3729**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **38.1110, 43.6069, 59.8344** is the 20% darker color. If you saturate the color by 10%, you get **63.6188, 73.5868, 105.4583**, and if you desaturate by 10%, it is **80.9532, 88.5331, 107.4297**.

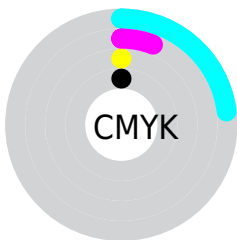
# Distribution



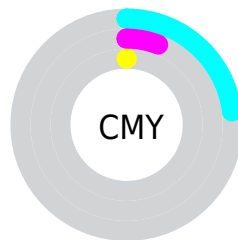
- Red (77%)
- Green (94%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6815, 80.6888, 106.4042 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 71.6815, 80.6888, 106.4042 by changing the saturation by 10% instead.



71.6815, 80.6888,  
106.4042

71.6815, 80.6888,  
106.4042

455.6071,  
497.2511, 601.9569

53.1831, 60.2853,  
81.0130

120.6169,  
134.3337, 172.0589

38.1770, 43.6487,  
60.0213

151.7845,  
168.3440, 213.1595

26.2979, 30.3944,  
43.0104

187.9059,  
207.6586, 260.3337

17.1805, 20.1381,  
29.5618

229.3465,  
252.6620, 314.0000

10.4594, 12.4955,  
19.2570

276.4715,  
303.7385, 374.5769

5.7692, 7.0821,  
11.6774

329.6464,

2.7446, 3.5135,

361.2726, 442.4830

6.4046

389.2365,  
425.6487, 518.1368

■ 1.0202, 1.4053,  
3.0199

■ 0.0000, 0.2206,  
1.1048

■ 71.6815, 80.6888,  
106.4042

■ 71.6815, 80.6888,  
106.4042

■ 63.6188, 73.5868,  
105.4583

■ 80.9532, 88.5331,  
107.4297

■ 56.7009, 67.1866,  
104.5876

■ 91.4811, 97.1392,  
108.5359

■ 50.8669, 61.4575,  
103.7893

■ 95.0500, 100.0000,  
108.9000

■ 46.0479, 56.3627,  
103.0599

■ 42.1660, 51.8609,  
102.3955

■ 39.1317, 47.9043,  
101.7917

■ 36.8361, 44.4355,  
101.2432

■ 35.5803, 42.2807,  
100.8934

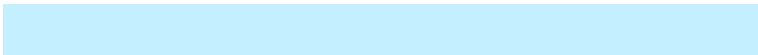
# Harmonies

## Analogous

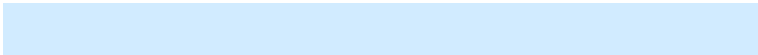
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4609, 80.6888, 95.7957



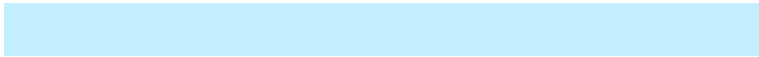
71.6815, 80.6888, 106.4042



75.2970, 80.6888, 112.1980

# Triad

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



71.6815, 80.6888, 106.4042



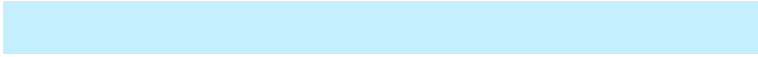
84.7775, 80.6888, 91.9384



74.0311, 80.6888, 68.1491

# Complementary

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



71.6815, 80.6888, 106.4042



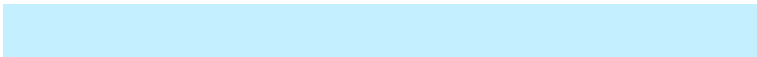
74.7472, 72.3318, 62.2482

# 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.



78.1047, 80.6888, 67.3176



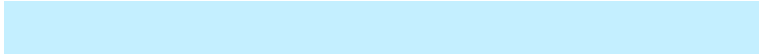
71.6815, 80.6888, 106.4042



84.4089, 80.6888, 80.3684

# Square

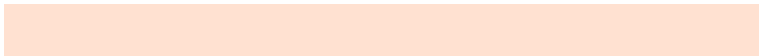
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



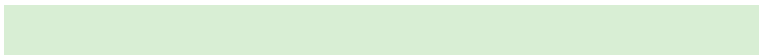
71.6815, 80.6888, 106.4042



82.9212, 80.6888, 103.3635



81.9313, 80.6888, 71.5999

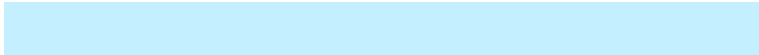


70.7833, 80.6888, 73.9834



# Rectangle

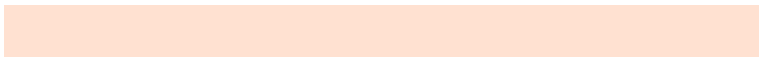
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6815, 80.6888, 106.4042



78.0546, 80.6888, 112.2274



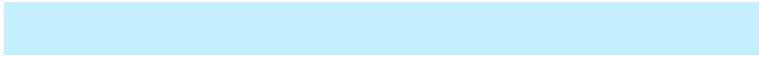
81.9313, 80.6888, 71.5999



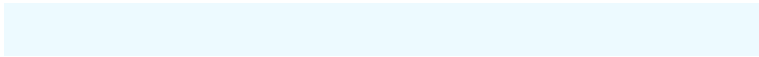
75.3459, 80.6888, 67.2967

# Sweetspot

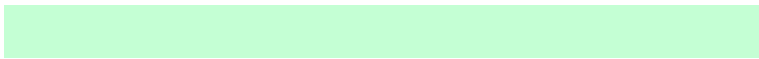
The Sweet Spot groups the original color and five complimentary colors.



71.6837, 80.6920, 106.4047



87.2607, 93.7214, 108.0986



70.3761, 87.9963, 75.3884



18.5400, 19.9482, 23.1232



0.0000, 0.0000, 0.0000

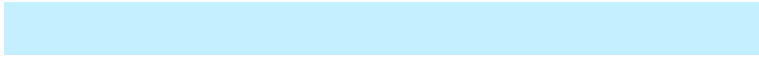


20.3446, 21.4041, 23.3091

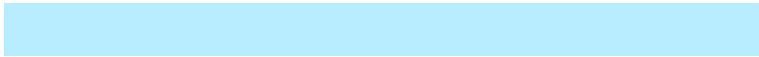


# Same Dimension

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



71.6837, 80.6920, 106.4047



67.6140, 77.1460, 105.9348



63.8054, 64.9354, 103.7786



18.1139, 19.5994, 23.0783



18.7219, 22.3534, 52.7625



1.9136, 2.3579, 5.1675



# Inverse Universe

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



76.5613, 66.9735, 90.5570



73.3859, 61.4104, 87.0700



82.7288, 88.2949, 64.9088



18.5701, 18.2114, 21.6195



26.2382, 12.9846, 25.7023

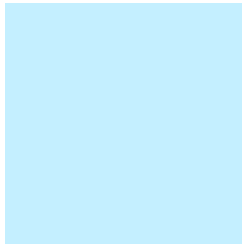


2.6005, 1.2826, 2.7437



# Previews

## White Background



This preview shows how the XYZ color 71.6815, 80.6888, 106.4042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

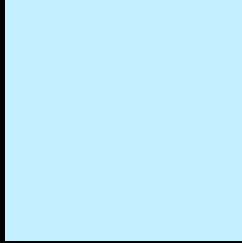
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6815, 80.6888, 106.4042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

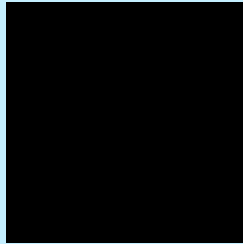
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.6815, 80.6888, 106.4042

## Background



This preview shows how black text looks on a background with the XYZ color 71.6815, 80.6888, 106.4042.



This preview shows how white text looks on a background with the XYZ color 71.6815, 80.6888,



# 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

71.6815, 80.6888, 106.4042

### Protanopia

78.0288, 80.2562, 101.0010

### Deuteranopia

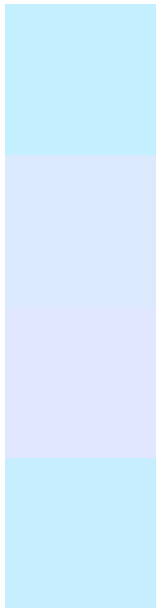
81.5220, 80.3135, 105.8131



## Tritanopia

72.7119, 80.7866, 106.3688

# Trichromacy



## Original Color

71.6815, 80.6888, 106.4042

## Protanomaly

75.4649, 80.1483, 102.7595

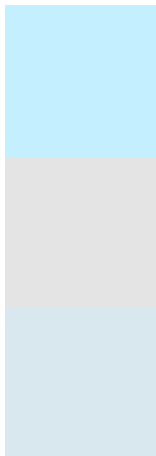
## Deuteranomaly

77.6773, 80.3794, 106.0285

## Tritanomaly

72.1777, 80.5112, 106.3438

# Monochromacy



## Original Color

71.6815, 80.6888, 106.4042

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.6081, 78.4852, 92.2112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6815, 80.6888, 106.4042 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(196, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6815, 80.6888, 106.4042 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(196, 239, 255) }
```



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

```
.border{ border-color:rgb(196, 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(196, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6815, 80.6888, 106.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 239, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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