

# Converting Colors

XYZ(71.2937, 86.4521,  
107.5371)

Have a look what the booklet for  
XYZ(71.2937, 86.4521, 107.5371)  
contains.

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# Color

**XYZ(71.2205, 86.3058,  
107.5127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FCFF
RGB	178, 252, 255
RGB Percent	70%, 99%, 100%
CMY	0.3019, 0.0117, 0.0000
CMYK	0.30, 0.01, 0.00, 0.00
HSL	182°, 100%, 85%
HSV	182°, 30%, 100%
XYZ	71.2205, 86.3058, 107.5127
YIQ	230.2160, -45.0670, -14.7550

# Conversions

## Conversions Part 2

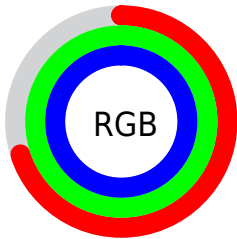
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 216, 255
Decimal	11730175
CIELab	94.44, -21.90, -8.74
CIELCh	94, 23.583, 201.749
Yxy	86.3058, 0.2687, 0.3256
Android (android.graphics.Color)	4289920255 (0xFFB2FCFF)
YUV	230.2160, 12.2185, -45.7934
Hunter-Lab	92.9009, -25.7334, -3.5847

# Details

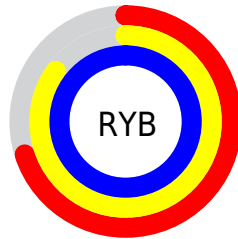
The XYZ color **71.2205, 86.3058, 107.5127** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7999, 57.5217, 49.7561**, and the grayscale version is **75.3119, 79.2340, 86.2858**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **37.7342, 47.2450, 60.5565** is the 20% darker color. If you saturate the color by 10%, you get **65.5945, 82.9464, 107.1608**, and if you desaturate by 10%, it is **77.9402, 90.2358, 107.9171**.

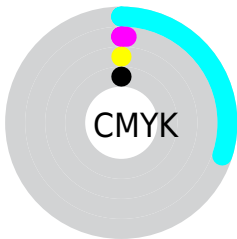
# Distribution



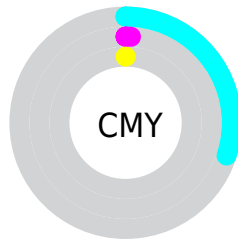
- Red (70%)
- Green (99%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2205, 86.3058, 107.5127 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 71.2205, 86.3058, 107.5127 by changing the saturation by 10% instead.



71.2205, 86.3058,  
107.5127

71.2205, 86.3058,  
107.5127

454.0237,  
515.9390, 605.4710

52.8053, 64.9209,  
81.9376

119.9644,  
142.1961, 173.5853

37.8743, 47.3969,  
60.7786

151.0239,  
177.4704, 214.9198

26.0619, 33.3495,  
43.6171

187.0289,  
218.1431, 262.3446

17.0029, 22.3944,  
30.0346

228.3448,  
264.5988, 316.2782

10.3318, 14.1470,  
19.6126

275.3368,  
317.2219, 377.1391

5.6835, 8.2229,  
11.9325

328.3704,

2.6924, 4.2379,

376.3967, 445.3458

6.5757

387.8109,  
442.5076, 521.3169

■ 0.9933, 1.8075,  
3.1238

■ 0.0000, 0.4919,  
1.1582

■ 71.2205, 86.3058,  
107.5127

■ 71.2205, 86.3058,  
107.5127

■ 65.5945, 82.9464,  
107.1608

■ 77.9402, 90.2358,  
107.9171

■ 60.9950, 80.1164,  
106.8570

■ 85.8024, 94.7550,  
108.3750

■ 57.3579, 77.7850,  
106.5987

94.8614, 99.8936,  
108.8894

■ 54.6095, 75.9140,  
106.3824

95.0500, 100.0000,  
108.9000

■ 52.6648, 74.4599,  
106.2042

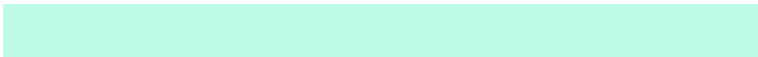
■ 51.4228, 73.3703,  
106.0594

■ 50.7266, 72.5733,  
105.9422

# Harmonies

## Analogous

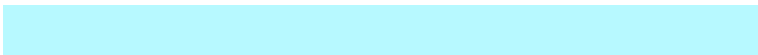
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5477, 86.3058, 89.0501



71.2205, 86.3058, 107.5127



74.7124, 86.3058, 124.1449

# Triad

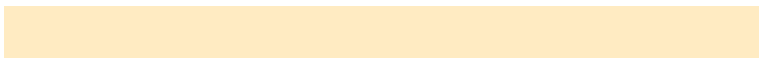
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2205, 86.3058, 107.5127



91.9824, 86.3058, 117.2886



83.7932, 86.3058, 63.4805

# Complementary

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



71.2205, 86.3058, 107.5127



65.7999, 57.5217, 49.7561

# 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.



89.8128, 86.3058, 69.1334



71.2205, 86.3058, 107.5127



94.6975, 86.3058, 99.0727

# Square

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



71.2205, 86.3058, 107.5127



86.6319, 86.3058, 130.2759



93.8837, 86.3058, 81.6194



77.5961, 86.3058, 65.1298

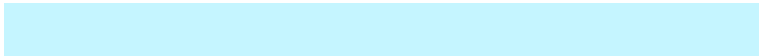


# Rectangle

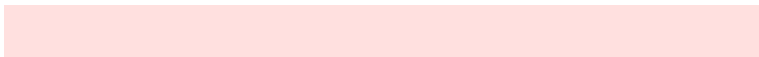
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2205, 86.3058, 107.5127



78.2719, 86.3058, 131.1843



93.8837, 86.3058, 81.6194



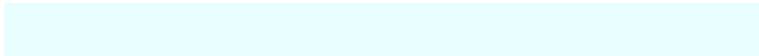
85.9088, 86.3058, 64.5606

# Sweetspot

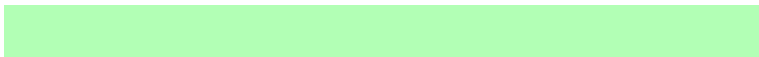
The Sweet Spot groups the original color and five complimentary colors.



71.2228, 86.3091, 107.5132



86.8208, 95.3359, 108.4335



62.4173, 84.3040, 56.4676



18.3183, 20.2546, 23.1940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

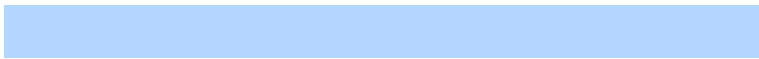
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2228, 86.3091, 107.5132



67.8265, 84.2902, 107.3026



60.4411, 64.7457, 103.9193



18.4907, 20.3531, 23.2039



26.5326, 37.9747, 55.3660



2.6015, 3.7337, 5.3968



# Inverse Universe

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



74.7325, 60.1307, 99.7669



71.8530, 54.5176, 98.3575



74.6256, 75.1732, 52.6980



18.7603, 18.2875, 22.6211



30.1806, 14.5615, 46.4630

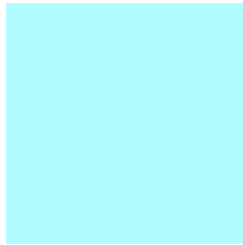


2.9477, 1.4215, 4.5721



# Previews

## White Background



This preview shows how the XYZ color 71.2205, 86.3058, 107.5127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

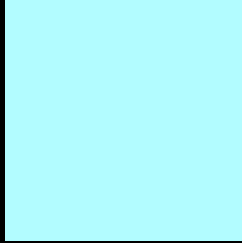
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2205, 86.3058, 107.5127 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 71.2205, 86.3058, 107.5127

## Background



This preview shows how black text looks on a background with the XYZ color 71.2205, 86.3058, 107.5127.



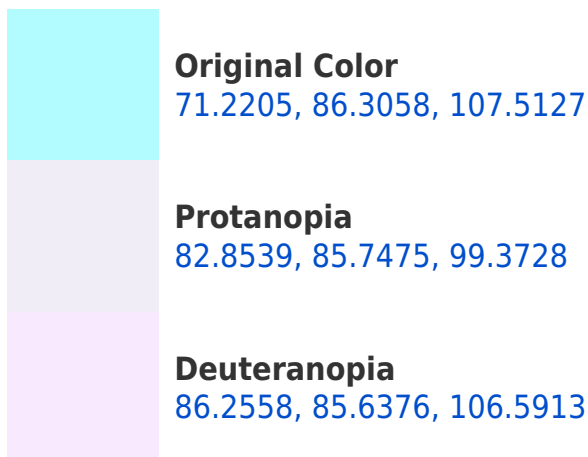
This preview shows how white text looks on a background with the XYZ color 71.2205, 86.3058,



# 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**

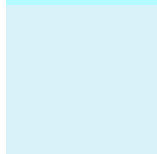
77.2647, 85.7703, 107.0908

# Trichromacy



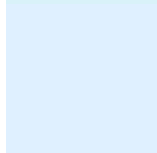
## Original Color

71.2205, 86.3058, 107.5127



## Protanomaly

77.4663, 85.0955, 101.9647



## Deuteranomaly

79.6415, 85.2282, 106.8609



## Tritanomaly

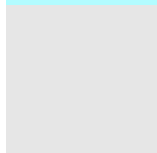
74.8640, 85.8836, 107.2392

# Monochromacy



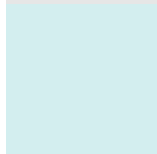
## Original Color

71.2205, 86.3058, 107.5127



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

73.0185, 81.2300, 93.4918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2205, 86.3058, 107.5127 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(178, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 252, 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(178, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2205, 86.3058, 107.5127 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(178, 252, 255) }
```



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

```
.border{ border-color:rgb(178, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2205, 86.3058, 107.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 252, 255) }
```

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

```
.background{ background-color: rgb(178,  
252, 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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