

# Converting Colors

XYZ(76.5131, 85.9172,  
118.8332)

Have a look what the booklet for  
XYZ(76.5131, 85.9172, 118.8332)  
contains.

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# **Color**

**XYZ(74.2945, 85.1373,  
107.1251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6F6FF
RGB	198, 246, 255
RGB Percent	78%, 96%, 100%
CMY	0.2235, 0.0353, 0.0000
CMYK	0.22, 0.04, 0.00, 0.00
HSL	189°, 100%, 89%
HSV	189°, 22%, 100%
XYZ	74.2945, 85.1373, 107.1251
YIQ	232.6740, -31.4970, -7.3770

# Conversions

## Conversions Part 2

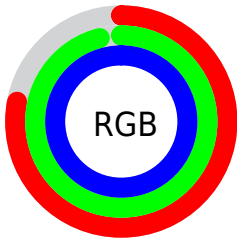
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 224, 255
Decimal	13039359
CIE <sub>Lab</sub>	93.94, -13.30, -9.36
CIE <sub>LCh</sub>	94, 16.268, 215.134
Yxy	85.1373, 0.2787, 0.3194
Android (android.graphics.Color)	4291229439 (0xFFC6F6FF)
YUV	232.6740, 11.0067, -30.4091
Hunter-Lab	92.2699, -17.7464, -4.2466

# Details

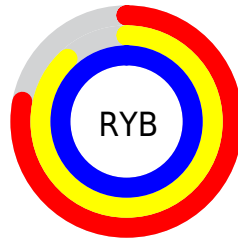
The XYZ color **74.2945, 85.1373, 107.1251** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7458, 69.9622, 63.0452**, and the grayscale version is **77.1458, 81.1634, 88.3870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9342, 46.7438, 60.3438** is the 20% darker color. If you saturate the color by 10%, you get **66.9202, 79.5403, 106.4335**, and if you desaturate by 10%, it is **82.8314, 91.3774, 107.8797**.

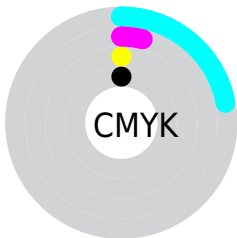
# Distribution



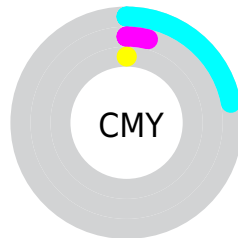
- Red (78%)
- Green (96%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2945, 85.1373, 107.1251 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 74.2945, 85.1373, 107.1251 by changing the saturation by 10% instead.



74.2945, 85.1373,  
107.1251

74.2945, 85.1373,  
107.1251

464.5238,  
512.0823, 604.2435

55.3272, 63.9548,  
81.6143

124.3065,  
140.5650, 173.0517

39.8987, 46.6141,  
60.5137

156.0819,  
175.5790, 214.3046

27.6434, 32.7307,  
43.4048

192.8574,  
215.9723, 261.6419

18.1961, 21.9202,  
29.8691

234.9983,  
262.1293, 315.4821

11.1914, 13.7983,  
19.4880

282.8701,  
314.4344, 376.2439

6.2640, 7.9805,  
11.8431

336.8380,

3.0484, 4.0825,

373.2720, 444.3456

6.5157

397.2675,  
439.0265, 520.2060

■ 1.1794, 1.7198,  
3.0873

■ 0.0900, 0.4364,  
1.1394

■ 74.2945, 85.1373,  
107.1251

■ 74.2945, 85.1373,  
107.1251

■ 66.9202, 79.5403,  
106.4335

■ 82.8314, 91.3774,  
107.8797

■ 60.6449, 74.5468,  
105.8004

■ 92.5768, 98.2779,  
108.6980

■ 55.4092, 70.1282,  
105.2235

■ 95.0500, 100.0000,  
108.9000

■ 51.1452, 66.2490,  
104.6994

■ 47.7768, 62.8700,  
104.2248

■ 45.2161, 59.9454,  
103.7952

■ 43.3569, 57.4204,  
103.4058

■ 42.2884, 55.6968,  
103.1295

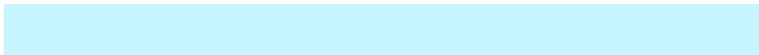
# Harmonies

## Analogous

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



72.9006, 85.1373, 94.8522



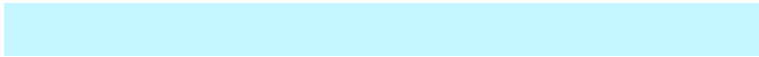
74.2945, 85.1373, 107.1251



77.4664, 85.1373, 116.0848

# Triad

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



74.2945, 85.1373, 107.1251



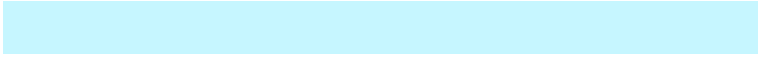
88.7196, 85.1373, 103.1029



80.1770, 85.1373, 70.9024

# Complementary

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



74.2945, 85.1373, 107.1251



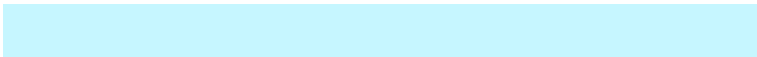
73.7458, 69.9622, 63.0452

# 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.



84.4757, 85.1373, 72.6877



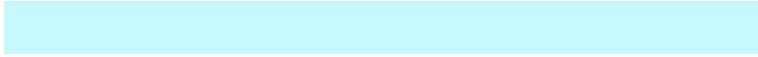
74.2945, 85.1373, 107.1251



89.5079, 85.1373, 90.5807

# Square

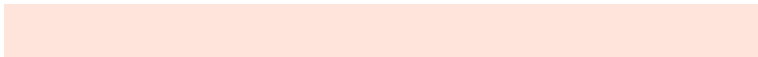
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.2945, 85.1373, 107.1251



85.8119, 85.1373, 113.6212



87.9291, 85.1373, 79.6318

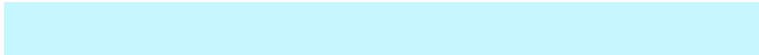


76.2185, 85.1373, 74.5189

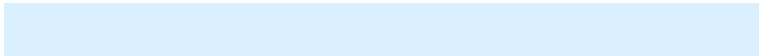


# Rectangle

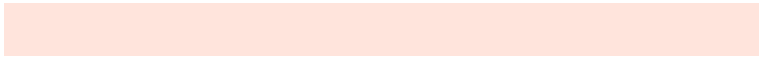
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



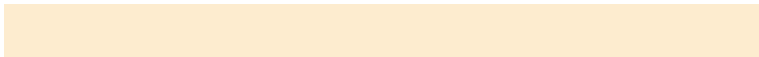
74.2945, 85.1373, 107.1251



80.2156, 85.1373, 118.5732



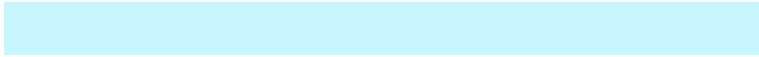
87.9291, 85.1373, 79.6318



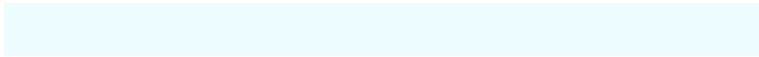
81.6295, 85.1373, 70.8942

# Sweetspot

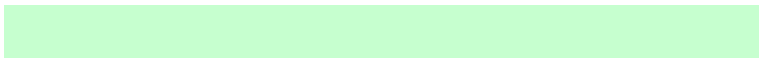
The Sweet Spot groups the original color and five complimentary colors.



74.2968, 85.1407, 107.1257



87.8930, 94.9861, 108.3094



70.2574, 88.0093, 72.0297



18.6868, 20.2418, 23.1721



0.0000, 0.0000, 0.0000

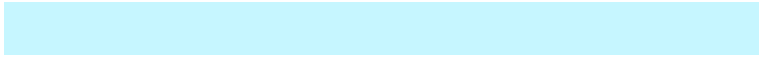


20.3446, 21.4041, 23.3091

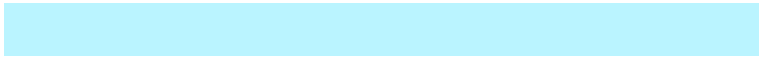


# Same Dimension

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



74.2968, 85.1407, 107.1257



70.7272, 82.4601, 106.7964



66.3985, 69.3441, 104.4929



18.2964, 19.9643, 23.1391



22.1881, 29.2858, 53.9179



2.2231, 2.9768, 5.2707



# Inverse Universe

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



78.0701, 68.3037, 96.2619



75.1800, 62.9809, 93.8889



81.1564, 84.7833, 65.5154



18.6622, 18.2482, 22.1045



27.9877, 13.6844, 34.9155

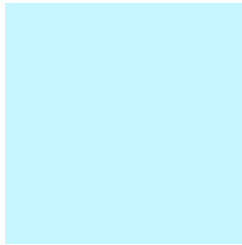


2.7567, 1.3451, 3.5662



# Previews

## White Background



This preview shows how the XYZ color 74.2945, 85.1373, 107.1251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

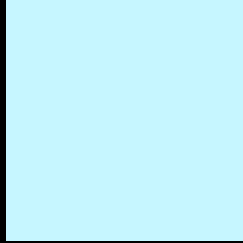
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2945, 85.1373, 107.1251 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 74.2945, 85.1373, 107.1251

## Background



This preview shows how black text looks on a background with the XYZ color 74.2945, 85.1373, 107.1251.



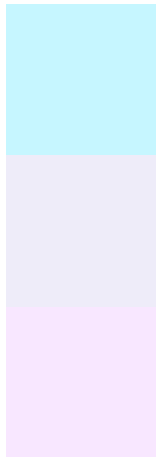
This preview shows how white text looks on a background with the XYZ color 74.2945, 85.1373,



# 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

74.2945, 85.1373, 107.1251

### Protanopia

82.3542, 85.0076, 101.6901

### Deuteranopia

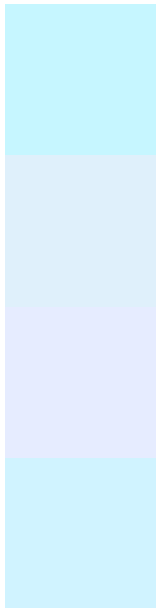
85.3373, 84.3283, 106.3870



## Tritanopia

77.5337, 85.0204, 106.9319

# Trichromacy



## Original Color

74.2945, 85.1373, 107.1251

## Protanomaly

79.0041, 84.9732, 103.5043

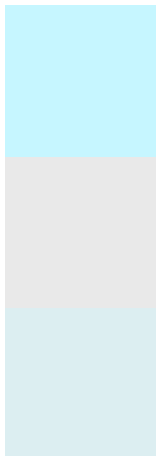
## Deuteranomaly

80.6786, 84.0339, 106.5757

## Tritanomaly

76.1130, 84.7311, 106.9509

# Monochromacy



## Original Color

74.2945, 85.1373, 107.1251

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

75.9669, 82.7156, 95.1809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2945, 85.1373, 107.1251 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 246, 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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2945, 85.1373, 107.1251 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, 246, 255) }
```



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

```
.border{ border-color:rgb(198, 246, 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, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2945, 85.1373, 107.1251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 246, 255) }
```

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

```
.background{ background-color: rgb(198,  
246, 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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