

# Converting Colors

XYZ(78.1422, 95.9162, 98.4364)

Have a look what the booklet for  
XYZ(78.1422, 95.9162, 98.4364)  
contains.

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# Color

**XYZ(75.0757, 89.9366,  
97.4070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFF2
RGB	198, 255, 242
RGB Percent	78%, 100%, 95%
CMY	0.2235, 0.0000, 0.0510
CMYK	0.22, 0.00, 0.05, 0.00
HSL	166°, 100%, 89%
HSV	166°, 22%, 100%
XYZ	75.0757, 89.9366, 97.4070
YIQ	236.4750, -29.7990, -16.1270

# Conversions

## Conversions Part 2

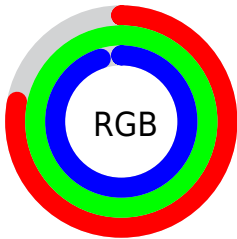
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 230, 255
Decimal	13041650
CIE <sub>Lab</sub>	95.97, -20.44, 0.34
CIE <sub>LCh</sub>	96, 20.441, 179.043
Yxy	89.9366, 0.2861, 0.3427
Android (android.graphics.Color)	4291231730 (0xFFC6FFF2)
YUV	236.4750, 2.7238, -33.7426
Hunter-Lab	94.8349, -24.6522, 5.4864

# Details

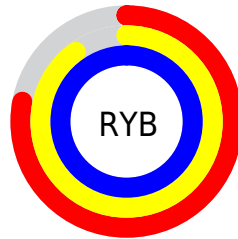
The XYZ color **75.0757, 89.9366, 97.4070** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1925, 66.3524, 70.5780**, and the grayscale version is **80.0887, 84.2596, 91.7587**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3847, 49.7730, 53.9330** is the 20% darker color. If you saturate the color by 10%, you get **68.0512, 86.4146, 92.5921**, and if you desaturate by 10%, it is **83.2613, 94.0538, 102.4241**.

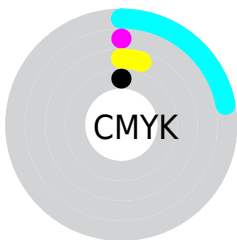
# Distribution



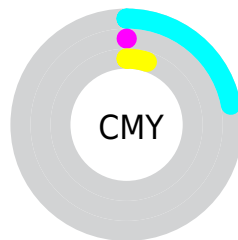
- Red (78%)
- Green (100%)
- Blue (95%)



- Red (78%)
- Yellow (90%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0757, 89.9366, 97.4070 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 75.0757, 89.9366, 97.4070 by changing the saturation by 10% instead.




 75.0757, 89.9366,  
97.4070

 75.0757, 89.9366,  
97.4070

467.1709,  
527.8246, 573.0224

 55.9693, 67.9281,  
73.5320

125.4068,  
147.2503, 159.6099

 40.4152, 49.8392,  
53.9166


157.3623,  
183.3243, 198.7749

 28.0481, 35.2857,  
38.1423

194.3315,  
224.8555, 243.8736

 18.5025, 23.8830,  
25.7905

236.6798,  
272.2285, 295.3246

 11.4133, 15.2469,  
16.4426

284.7725,  
325.8274, 353.5464

 6.4149, 8.9928,  
9.6801

338.9750,

 3.1420, 4.7365,

386.0368, 418.9577

5.0846

399.6527,  
453.2411, 491.9768

■ 1.2293, 2.0935,  
2.2374

■ 0.1293, 0.6610,  
0.6958

■ 75.0757, 89.9366,  
97.4070

■ 75.0757, 89.9366,  
97.4070

■ 68.0512, 86.4146,  
92.5921

■ 83.2613, 94.0538,  
102.4241

■ 62.1282, 83.4573,  
87.9711

■ 92.6583, 98.7924,  
107.6427

■ 57.2459, 81.0334,  
83.5410

■ 95.0500, 100.0000,  
108.9000

■ 53.3362, 79.1078,  
79.2974

■ 50.3230, 77.6412,  
75.2354

■ 48.1183, 76.5883,  
71.3494

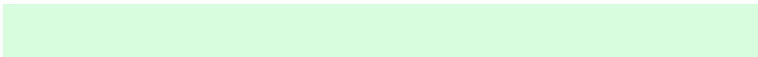
■ 46.6159, 75.8945,  
67.6329

■ 45.8206, 75.5443,  
64.8986

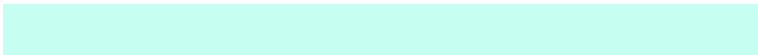
# Harmonies

## Analogous

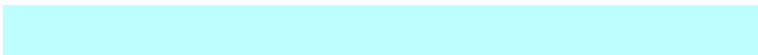
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5021, 89.9366, 82.7806



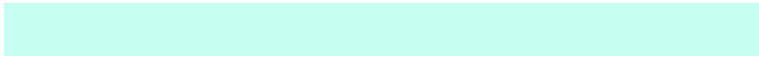
75.0757, 89.9366, 97.4070



76.3338, 89.9366, 113.8159

# Triad

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



75.0757, 89.9366, 97.4070



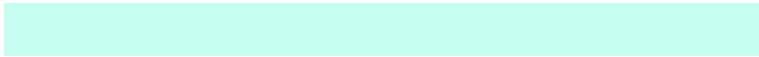
90.8639, 89.9366, 127.7151



91.1916, 89.9366, 73.5996

# Complementary

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



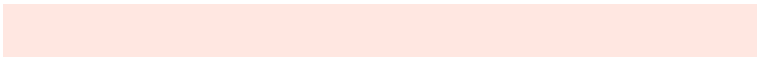
75.0757, 89.9366, 97.4070



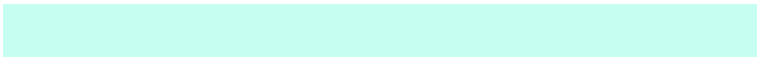
73.1925, 66.3524, 70.5780

# 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.



95.3335, 89.9366, 83.5878



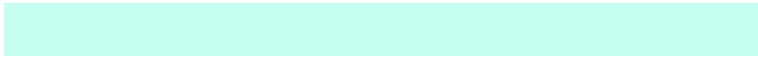
75.0757, 89.9366, 97.4070



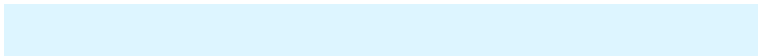
95.1385, 89.9366, 114.8137

# Square

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



75.0757, 89.9366, 97.4070



85.3007, 89.9366, 132.4359



96.8081, 89.9366, 98.4462

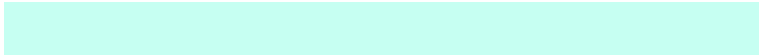


85.6636, 89.9366, 70.0007



# Rectangle

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



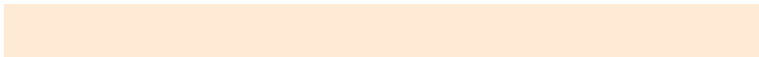
75.0757, 89.9366, 97.4070



78.5584, 89.9366, 123.3452



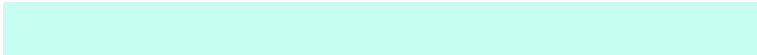
96.8081, 89.9366, 98.4462



92.8010, 89.9366, 76.2629

# Sweetspot

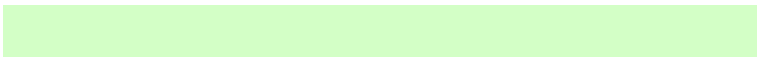
The Sweet Spot groups the original color and five complimentary colors.



75.0766, 89.9370, 97.4085



88.1366, 96.5109, 105.1916



72.9038, 89.4908, 66.8585



18.7434, 20.5961, 22.4479



0.0000, 0.0000, 0.0000

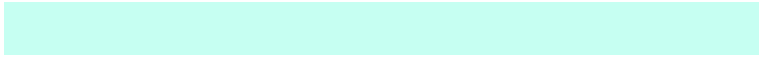


20.3446, 21.4041, 23.3091

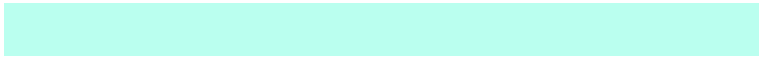


# Same Dimension

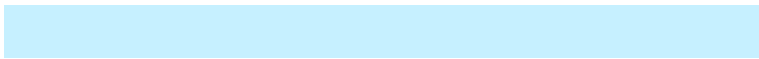
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0766, 89.9370, 97.4085



71.6704, 88.2276, 95.1453



72.4407, 81.4289, 106.5071



18.3672, 20.4064, 22.2366



24.0019, 39.4973, 34.2249



2.3782, 3.8622, 3.5494



# Inverse Universe

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



73.1925, 66.3524, 70.5780



69.4736, 60.6983, 63.8390



75.2783, 73.0274, 63.5556



18.1790, 18.0549, 19.5599



21.9962, 11.2878, 3.3644

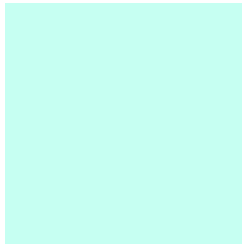


2.1811, 1.1148, 0.5351



# Previews

## White Background



This preview shows how the XYZ color 75.0757, 89.9366, 97.4070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

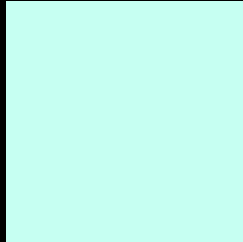
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0757, 89.9366, 97.4070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

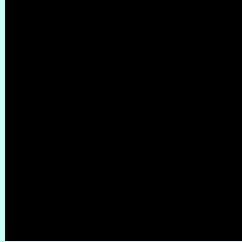
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

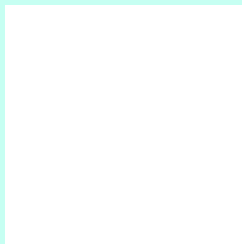
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.0757, 89.9366, 97.4070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0757, 89.9366, 97.4070.



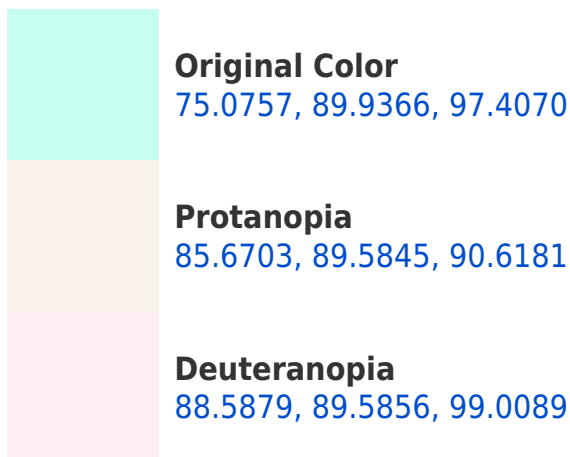
This preview shows how white text looks on a background with the XYZ color 75.0757, 89.9366,

97.4070.

# 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

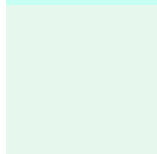
82.6843, 89.4624, 107.5178

# Trichromacy



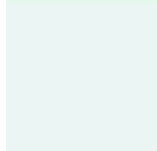
## Original Color

75.0757, 89.9366, 97.4070



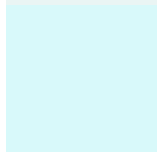
## Protanomaly

81.1800, 89.4589, 93.1094



## Deuteranomaly

82.9132, 89.3289, 98.4602



## Tritanomaly

79.4499, 89.2524, 103.4825

# Monochromacy



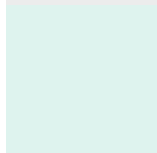
## Original Color

75.0757, 89.9366, 97.4070



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.6074, 85.8038, 93.3604

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0757, 89.9366, 97.4070 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, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 242)  
}
```

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, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0757, 89.9366, 97.4070 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, 255, 242) }
```



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

```
.border{ border-color:rgb(198, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0757, 89.9366, 97.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 242) }
```

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

```
.background{ background-color: rgb(198,  
255, 242) }
```

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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