

# Converting Colors

XYZ(57.5974, 76.1244, 97.0504)

Have a look what the booklet for  
XYZ(57.5974, 76.1244, 97.0504)  
contains.

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# Color

**XYZ(57.7339, 76.3485,  
97.2818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FF5F4
RGB	127, 245, 244
RGB Percent	50%, 96%, 96%
CMY	0.5019, 0.0392, 0.0431
CMYK	0.48, 0.00, 0.00, 0.04
HSL	179°, 86%, 73%
HSV	179°, 48%, 96%
XYZ	57.7339, 76.3485, 97.2818
YIQ	209.6040, -70.0070, -25.3270

# Conversions

## Conversions Part 2

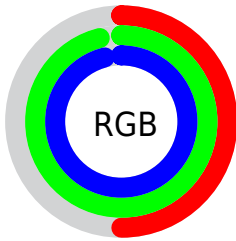
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 186, 245</a>
Decimal	<a href="#">8386036</a>
CIELab	<a href="#">90.02, -33.54, -9.83</a>
CIElCh	<a href="#">90, 34.950, 196.342</a>
Yxy	<a href="#">76.3485, 0.2495, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4286576116</a> ( <a href="#">0xFF7FF5F4</a> )
YUV	<a href="#">209.6040, 16.9572, -72.4437</a>
Hunter-Lab	<a href="#">87.3776, -34.9687, -4.8461</a>

# Details

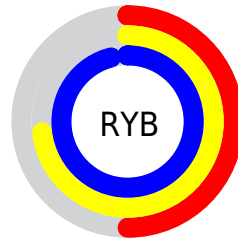
The XYZ color **57.7339, 76.3485, 97.2818** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.1444, 36.1519, 24.8124**, and the grayscale version is **60.9263, 64.0992, 69.8040**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **29.1102, 40.6540, 53.8897** is the 20% darker color. If you saturate the color by 10%, you get **54.4883, 74.6808, 96.9667**, and if you desaturate by 10%, it is **61.8712, 78.4795, 97.6422**.

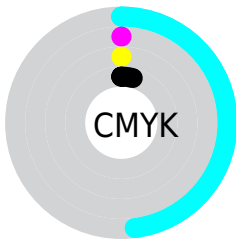
# Distribution



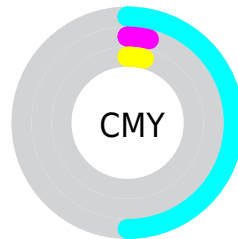
- Red (50%)
- Green (96%)
- Blue (96%)



- Red (50%)
- Yellow (73%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (50%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7339, 76.3485, 97.2818 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 57.7339, 76.3485, 97.2818 by changing the saturation by 10% instead.



57.7339, 76.3485,  
97.2818

57.7339, 76.3485,  
97.2818

406.1635,  
482.5398, 572.6143

41.8372, 56.7183,  
73.4282

100.6604,  
128.2194, 159.4358

29.1644, 40.7791,  
53.8322

128.4210,  
161.2289, 198.5734

19.3501, 28.1465,  
38.0753

160.8669,  
199.4670, 243.6427

12.0290, 18.4362,  
25.7388

198.3634,  
243.3181, 295.0623

6.8358, 11.2636,  
16.4044

241.2760,  
293.1665, 353.2507

3.4050, 6.2444,  
9.6533

289.9700,

1.3714, 2.9943,

349.3967, 418.6265

5.0671

344.8107,  
412.3930, 491.6082

■ 0.2357, 1.1287,  
2.2273

■ 0.0000, 0.0023,  
0.6900

■ 57.7339, 76.3485,  
97.2818

■ 57.7339, 76.3485,  
97.2818

■ 54.4883, 74.6808,  
96.9667

■ 61.8712, 78.4795,  
97.6422

■ 52.0621, 73.4337,  
96.6884

■ 66.9521, 81.0951,  
98.0452

■ 50.3832, 72.5718,  
96.4454

■ 73.0329, 84.2262,  
98.4953

■ 49.3637, 72.0498,  
96.2333

■ 80.1632, 87.8984,  
98.9946

■ 48.8818, 71.8051,  
96.0466

■ 88.3894, 92.1355,  
99.5454

■ 48.8196, 71.7737,  
96.0135

■ 90.4134, 93.1752,  
99.8061

■ 90.4452, 93.1879,  
99.9738

■ 90.4771, 93.2007,  
100.1417

■ 90.5090, 93.2134,  
100.3098

# Harmonies

## Analogous

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



57.5608, 76.3485, 72.3719



57.7339, 76.3485, 97.2818



61.6691, 76.3485, 122.6199

# Triad

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



57.7339, 76.3485, 97.2818



85.2912, 76.3485, 120.5849



76.5698, 76.3485, 44.8713

# Complementary

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



57.7339, 76.3485, 97.2818



49.1444, 36.1519, 24.8124

# 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.



84.6786, 76.3485, 53.1850



57.7339, 76.3485, 97.2818



89.9778, 76.3485, 94.9058

# Square

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



57.7339, 76.3485, 97.2818



77.3532, 76.3485, 137.7958



89.7451, 76.3485, 70.4228



67.9824, 76.3485, 45.2556

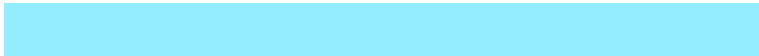


# Rectangle

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



57.7339, 76.3485, 97.2818



66.0888, 76.3485, 134.9015



89.7451, 76.3485, 70.4228



79.4552, 76.3485, 46.6572

# Sweetspot

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



57.7362, 76.3515, 97.2836



83.0650, 93.8271, 108.0844



45.5337, 71.5046, 31.4823



17.4286, 19.9022, 23.1097



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.



57.7362, 76.3515, 97.2836



59.6838, 81.7913, 106.1924



43.2122, 47.0593, 93.1953



16.9903, 18.7553, 21.2333



26.3020, 38.6656, 51.7375



2.3136, 3.3991, 4.5574



# Inverse Universe

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



49.1444, 36.1519, 24.8124



49.2339, 32.8866, 18.0398



58.6371, 55.2424, 27.6527



16.5049, 16.4848, 17.1393



20.2948, 10.4614, 0.9950

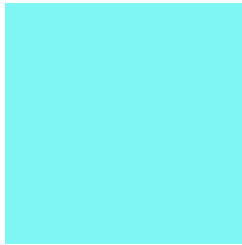


1.7857, 0.9202, 0.0978



# Previews

## White Background



This preview shows how the XYZ color 57.7339, 76.3485, 97.2818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

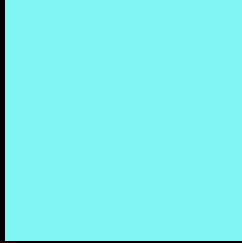
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7339, 76.3485, 97.2818 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 57.7339, 76.3485, 97.2818

## Background



This preview shows how black text looks on a background with the XYZ color 57.7339, 76.3485, 97.2818.



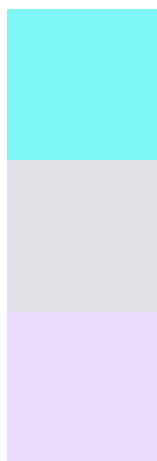
This preview shows how white text looks on a background with the XYZ color 57.7339, 76.3485,



# 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

57.7339, 76.3485, 97.2818

### Protanopia

72.7580, 75.4117, 86.3225

### Deuteranopia

77.1789, 75.3980, 100.9280



## Tritanopia

62.8211, 76.1211, 105.9896

# Trichromacy



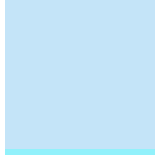
## Original Color

57.7339, 76.3485, 97.2818



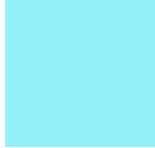
## Protanomaly

65.4828, 74.8457, 90.3522



## Deuteranomaly

67.4516, 73.9999, 99.5353



## Tritanomaly

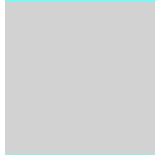
60.7219, 75.9866, 102.7333

# Monochromacy



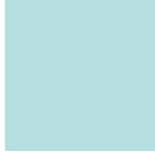
## Original Color

57.7339, 76.3485, 97.2818



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.3949, 67.7526, 79.1071

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7339, 76.3485, 97.2818 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(127, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(127, 245, 244)  
}
```

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(127, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 245, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7339, 76.3485, 97.2818 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(127, 245, 244) }
```



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

```
.border{ border-color:rgb(127, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(127, 245,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7339, 76.3485, 97.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 245, 244) }
```

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

```
.background{ background-color: rgb(127,  
245, 244) }
```

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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