

# Converting Colors

$Yxy(79.0814, 0.2637, 0.3948)$

Have a look what the booklet for  
Yxy(79.0814, 0.2637, 0.3948)  
contains.

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# Color

**Yxy(79.0993, 0.2638, 0.3949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFFCA
RGB	110, 255, 202
RGB Percent	43%, 100%, 79%
CMY	0.5691, 0.0000, 0.2078
CMYK	0.57, 0.00, 0.21, 0.00
HSL	158°, 100%, 72%
HSV	158°, 57%, 100%
XYZ	52.8397, 79.0993, 68.3631
YIQ	205.6030, -69.4070, -47.2230

# Conversions

## Conversions Part 2

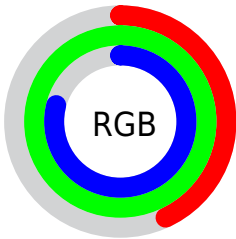
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">110, 199, 255</a>
Decimal	<a href="#">7274442</a>
CIELab	<a href="#">91.28, -51.28, 13.71</a>
CIELCh	<a href="#">91, 53.082, 165.036</a>
Yxy	<a href="#">79.0993, 0.2638, 0.3949</a>
Android (android.graphics.Color)	<a href="#">4285464522 (0xFF6EFFCA)</a>
YUV	<a href="#">205.6030, -1.7763, -83.8438</a>
Hunter-Lab	<a href="#">88.9378, -49.5908, 16.6825</a>

# Details

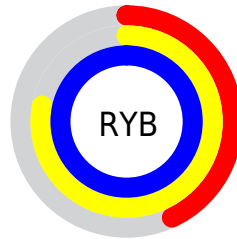
The Yxy color **79.0993, 0.2638, 0.3949** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.0246, 0.4206, 0.2759**, and the grayscale version is **61.4741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **42.4279, 0.2518, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **77.2589, 0.2596, 0.4090**, and if you desaturate by 10%, it is **81.4212, 0.2698, 0.3813**.

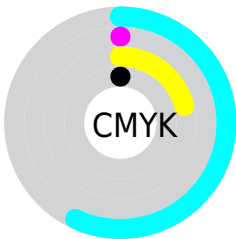
# Distribution



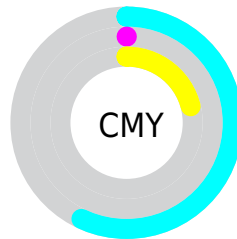
- Red (43%)
- Green (100%)
- Blue (79%)



- Red (43%)
- Yellow (78%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0993, 0.2638, 0.3949 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 Yxy color 79.0993, 0.2638, 0.3949 by changing the saturation by 10% instead.





 79.0993, 0.2638,  
0.3949

 79.0993, 0.2638,  
0.3949


491.8922, 0.2867,  
0.3635


 58.9775, 0.2585,  
0.4023


 132.0986, 0.2718,  
0.3838

 42.5950, 0.2520,  
0.4115


 165.7449, 0.2749,  
0.3796

 29.5675, 0.2437,  
0.4234

 204.6682, 0.2775,  
0.3759

 19.5105, 0.2328,  
0.4392

249.2527, 0.2798,  
0.3728

 12.0397, 0.2180,  
0.4612

299.8830, 0.2819,  
0.3700

 6.7707, 0.1967,  
0.4938

356.9434, 0.2836,

 3.3191, 0.1639,

0.3676

0.5464

420.8184, 0.2852,  
0.3654

■ 1.3005, 0.0000,  
0.7642

■ 0.1416, 0.0000,  
1.0000

■ 79.0993, 0.2638,  
0.3949

■ 79.0993, 0.2638,  
0.3949

■ 77.2589, 0.2596,  
0.4090

■ 81.4212, 0.2698,  
0.3813

■ 75.8809, 0.2574,  
0.4233

■ 84.2849, 0.2773,  
0.3684


■ 74.9084, 0.2573,  
0.4376

■ 87.7160, 0.2859,  
0.3564

■ 74.2788, 0.2592,  
0.4516

■ 91.7455, 0.2955,  
0.3453

 74.1246, 0.2600,  
0.4559

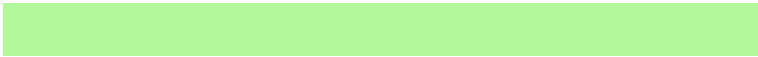
 96.4016, 0.3055,  
0.3353

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.0993, 0.3221, 0.4369



79.0993, 0.2638, 0.3949



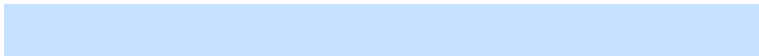
79.0993, 0.2213, 0.3313

# Triad

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



79.0993, 0.2638, 0.3949



79.0993, 0.2410, 0.2322



79.0993, 0.4364, 0.3634

# Complementary

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



79.0993, 0.2638, 0.3949



35.0246, 0.4206, 0.2759

# 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.



79.0993, 0.4115, 0.3158



79.0993, 0.2638, 0.3949



79.0993, 0.2933, 0.2441

# Square

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



79.0993, 0.2638, 0.3949



79.0993, 0.2099, 0.2417



79.0993, 0.3568, 0.2738

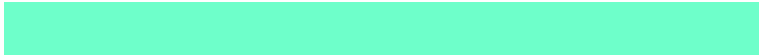


79.0993, 0.4237, 0.4084



# Rectangle

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



79.0993, 0.2638, 0.3949



79.0993, 0.2062, 0.2918



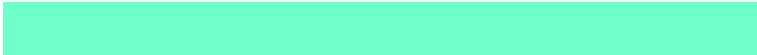
79.0993, 0.3568, 0.2738



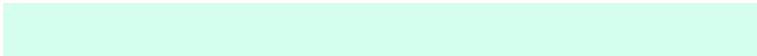
79.0993, 0.4323, 0.3474

# Sweetspot

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



79.0916, 0.2638, 0.3949



91.7072, 0.2954, 0.3454



80.4389, 0.3324, 0.4979



19.4455, 0.2934, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



79.0916, 0.2638, 0.3949



77.0877, 0.2593, 0.4105



70.3166, 0.2364, 0.3057



20.3623, 0.3029, 0.3378



38.7614, 0.2593, 0.4536



3.7951, 0.2549, 0.4377



# Inverse Universe

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



35.0246, 0.4206, 0.2759



29.2762, 0.4550, 0.2700



38.1430, 0.4746, 0.3486



18.0967, 0.3237, 0.3204



11.5489, 0.5524, 0.2817

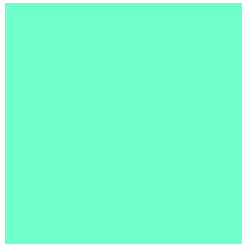


1.1446, 0.5212, 0.2645



# Previews

## White Background



This preview shows how the Yxy color 79.0993, 0.2638, 0.3949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

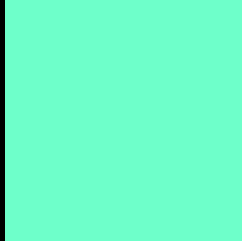
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0993, 0.2638, 0.3949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

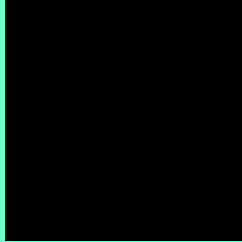
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0993, 0.2638, 0.3949**

## Background



This preview shows how black text looks on a background with the Yxy color 79.0993, 0.2638, 0.3949.

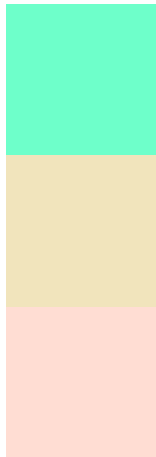


This preview shows how white text looks on a background with the Yxy color 79.0993, 0.2638, 0.3949.

# 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

79.0993, 0.2638, 0.3949

### Protanopia

77.8184, 0.3486, 0.3712

### Deuteranopia

77.6761, 0.3443, 0.3392



## Tritanopia

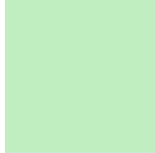
78.5656, 0.2627, 0.3133

# Trichromacy



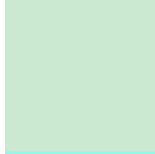
## Original Color

79.0993, 0.2638, 0.3949



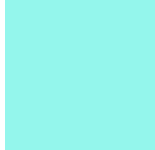
## Protanomaly

76.3368, 0.3103, 0.3808



## Deuteranomaly

75.3884, 0.3074, 0.3572



## Tritanomaly

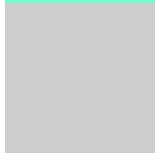
78.2636, 0.2624, 0.3405

# Monochromacy



## Original Color

79.0993, 0.2638, 0.3949



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.3770, 0.2889, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0993, 0.2638, 0.3949 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(110, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 202)  
}
```

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(110, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0993, 0.2638, 0.3949 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(110, 255, 202) }
```

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

```
.border{ border-color:rgb(110, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0993, 0.2638, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 202) }
```

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

```
.background{ background-color: rgb(110,  
255, 202) }
```

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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