

# Converting Colors

$Y_{xy}(77.7169, 0.2317, 0.3312)$

Have a look what the booklet for  
Yxy(77.7169, 0.2317, 0.3312)  
contains.

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# Color

**Yxy(77.7162, 0.2317, 0.3312)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 43FCFA                        |
| RGB         | 67, 252, 250                  |
| RGB Percent | 26%, 99%, 98%                 |
| CMY         | 0.7380, 0.0117, 0.0197        |
| CMYK        | 0.73, 0.00, 0.01, 0.01        |
| HSL         | 179°, 97%, 63%                |
| HSV         | 179°, 73%, 99%                |
| XYZ         | 54.3685, 77.7162, 102.5657    |
| YIQ         | 196.4570, -109.6180, -39.8420 |

# Conversions

## Conversions Part 2

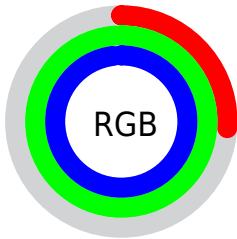
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 67, 160, 252                    |
| Decimal                             | 4455674                         |
| CIELab                              | 90.65, -44.64, -12.17           |
| CIELCh                              | 91, 46.274, 195.254             |
| Yxy                                 | 77.7162, 0.2317,<br>0.3312      |
| Android<br>(android.graphics.Color) | 4282645754<br>(0xFF43FCFA)      |
| YUV                                 | 196.4570, 26.3967,<br>-113.5338 |
| Hunter-Lab                          | 88.1568, -44.1890,<br>-7.2710   |

# Details

The Yxy color **77.7162, 0.2317, 0.3312** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.1184, 0.5648, 0.3283**, and the grayscale version is **55.3478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **42.9253, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **76.9992, 0.2281, 0.3316**, and if you desaturate by 10%, it is **78.8258, 0.2373, 0.3309**.

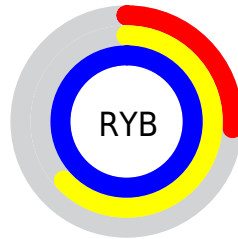
# Distribution



Red (26%)

Green (99%)

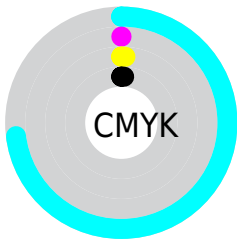
Blue (98%)



Red (26%)

Yellow (63%)

Blue (99%)

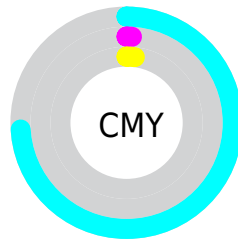


Cyan (73%)

Magenta (0%)

Yellow (1%)

Black (1%)



Cyan (74%)

Magenta (1%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7162, 0.2317, 0.3312 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 77.7162, 0.2317, 0.3312 by changing the saturation by 10% instead.





 77.7162, 0.2317,  
0.3312

 77.7162, 0.2317,  
0.3312


487.2025, 0.2677,  
0.3313

 57.8409, 0.2239,  
0.3309


 130.1500, 0.2439,  
0.3314

 41.6807, 0.2144,  
0.3305

 163.4772, 0.2487,  
0.3315

 28.8514, 0.2027,  
0.3297

 202.0572, 0.2529,  
0.3315

 18.9684, 0.1880,  
0.3284

 246.2744, 0.2566,  
0.3315

 11.6475, 0.1691,  
0.3260

296.5131, 0.2599,  
0.3314

 6.5041, 0.1439,  
0.3216

353.1577, 0.2628,

 3.1540, 0.1097,

0.3314

416.5927, 0.2654,  
0.3313

0.3127

1.2126, 0.0079,  
0.3097

0.0720, 0.0000,  
0.0719

77.7162, 0.2317,  
0.3312

77.7162, 0.2317,  
0.3312

76.9992, 0.2281,  
0.3316

78.8258, 0.2373,  
0.3309

76.6116, 0.2262,  
0.3319

80.3641, 0.2448,  
0.3305


76.4866, 0.2256,  
0.3321


82.3724, 0.2542,  
0.3302

84.8851, 0.2655,  
0.3299

 87.9334, 0.2782,  
0.3296

 91.5459, 0.2923,  
0.3293

 95.7491, 0.3073,  
0.3291

 97.9318, 0.3145,  
0.3288

 97.9493, 0.3143,  
0.3286

# Harmonies

## Analogous

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



77.7162, 0.2697, 0.3858



77.7162, 0.2317, 0.3312



77.7162, 0.2150, 0.2820

# Triad

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



77.7162, 0.2317, 0.3312



77.7162, 0.2964, 0.2535



77.7162, 0.4106, 0.4005

# Complementary

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



77.7162, 0.2317, 0.3312



25.1184, 0.5648, 0.3283

# 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.



77.7162, 0.4213, 0.3610



77.7162, 0.2317, 0.3312



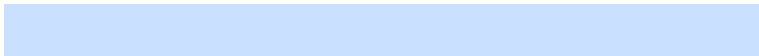
77.7162, 0.3520, 0.2803

# Square

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



77.7162, 0.2317, 0.3312



77.7162, 0.2496, 0.2428



77.7162, 0.3995, 0.3183



77.7162, 0.3732, 0.4256



# Rectangle

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



77.7162, 0.2317, 0.3312



77.7162, 0.2167, 0.2595



77.7162, 0.3995, 0.3183



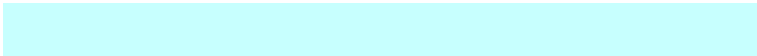
77.7162, 0.4177, 0.3883

# Sweetspot

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



77.7191, 0.2317, 0.3312



90.8289, 0.2802, 0.3295



71.3325, 0.3026, 0.5630



19.2423, 0.2766, 0.3296



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.



77.7191, 0.2317, 0.3312



78.8678, 0.2270, 0.3317



34.2338, 0.2004, 0.2086



19.6051, 0.2982, 0.3292



39.8384, 0.2256, 0.3321



3.6908, 0.2255, 0.3316



# Inverse Universe

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



25.1184, 0.5648, 0.3283



22.3293, 0.6188, 0.3290



44.9888, 0.4860, 0.4118



17.2283, 0.3292, 0.3288



10.7850, 0.6389, 0.3293

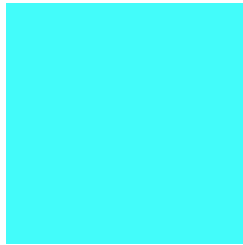


0.9999, 0.6361, 0.3278



# Previews

## White Background



This preview shows how the Yxy color 77.7162, 0.2317, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

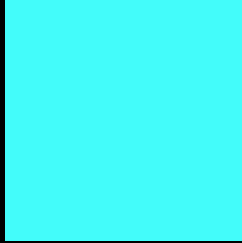
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7162, 0.2317, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

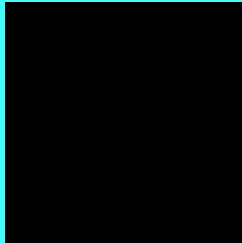
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.7162, 0.2317, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7162, 0.2317, 0.3312.

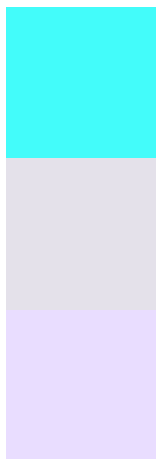


This preview shows how white text looks on a background with the Yxy color 77.7162, 0.2317, 0.3312.

# 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

77.7162, 0.2317, 0.3312

### Protanopia

76.2849, 0.3090, 0.3195

### Deuteranopia

76.2565, 0.2993, 0.2944



## Tritanopia

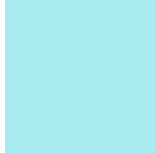
76.9029, 0.2550, 0.3130

# Trichromacy



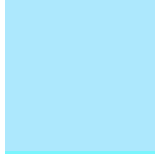
## Original Color

77.7162, 0.2317, 0.3312



## Protanomaly

74.1429, 0.2694, 0.3232



## Deuteranomaly

73.6893, 0.2645, 0.3054



## Tritanomaly

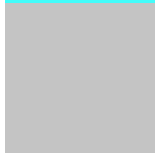
76.5342, 0.2438, 0.3195

# Monochromacy



## Original Color

77.7162, 0.2317, 0.3312



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.4592, 0.2684, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7162, 0.2317, 0.3312 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(67, 252, 250)` looks like.

```
.text, #text, p{  
    color:rgb(67, 252, 250)  
}
```

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(67, 252, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 252, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7162, 0.2317, 0.3312 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(67, 252, 250) }
```

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

```
.border{ border-color:rgb(67, 252, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 252, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 252, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 252, 250);  
box-shadow:4px 4px 4px 4px rgb(67, 252,  
250) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 77.7162, 0.2317, 0.3312$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 252, 250) }
```

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

```
.background{ background-color: rgb(67, 252,  
250) }
```

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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