

# Converting Colors

$Y_{xy}(77.5988, 0.2573, 0.3802)$

Have a look what the booklet for  
Yxy(77.5988, 0.2573, 0.3802)  
contains.

<b>Yxy(77.3272, 0.2574, 0.3800)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.3272, 0.2574, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69FCD3
RGB	105, 252, 211
RGB Percent	41%, 99%, 83%
CMY	0.5888, 0.0117, 0.1726
CMYK	0.58, 0.00, 0.16, 0.01
HSL	163°, 96%, 70%
HSV	163°, 58%, 99%
XYZ	52.3790, 77.3272, 73.7864
YIQ	203.3730, -74.4510, -43.9150

# Conversions

## Conversions Part 2

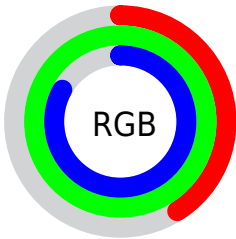
Format	Color
<a href="#">RYB</a>	<a href="#">105, 190, 252</a>
Decimal	<a href="#">6946003</a>
CIELab	<a href="#">90.47, -49.00, 7.90</a>
CIELCh	<a href="#">90, 49.634, 170.841</a>
Yxy	<a href="#">77.3272, 0.2574, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4285136083</a> ( <a href="#">0xFF69FCD3</a> )
YUV	<a href="#">203.3730, 3.7601, -86.2731</a>
Hunter-Lab	<a href="#">87.9359, -47.5643, 11.8053</a>

# Details

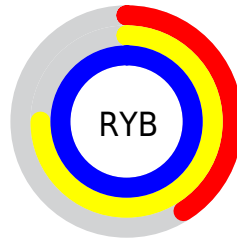
The Yxy color **77.3272, 0.2574, 0.3800** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.8422, 0.4417, 0.2880**, and the grayscale version is **59.9546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **41.6467, 0.2445, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **75.6816, 0.2528, 0.3905**, and if you desaturate by 10%, it is **79.4460, 0.2639, 0.3698**.

# Distribution



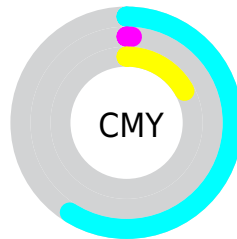
- Red (41%)
- Green (99%)
- Blue (83%)



- Red (41%)
- Yellow (75%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (1%)




- Cyan (59%)
- Magenta (1%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3272, 0.2574, 0.3800 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 77.3272, 0.2574, 0.3800 by changing the saturation by 10% instead.





 77.3272, 0.2574,  
0.3800

 77.3272, 0.2574,  
0.3800


485.8789, 0.2829,  
0.3560


 57.5215, 0.2516,  
0.3856


 129.6013, 0.2662,  
0.3716

 41.4241, 0.2444,  
0.3925


 162.8384, 0.2697,  
0.3683

 28.6506, 0.2354,  
0.4014


 201.3214, 0.2727,  
0.3655

 18.8166, 0.2237,  
0.4132

245.4347, 0.2752,  
0.3631

 11.5379, 0.2079,  
0.4294

295.5627, 0.2775,  
0.3610

 6.4298, 0.1856,  
0.4531


352.0898, 0.2795,


 3.1082, 0.1521,


0.3591


0.4907


415.4004, 0.2813,  
0.3575


 1.1885, 0.0000,  
0.6260


 0.0523, 0.0000,  
1.0000


 77.3272, 0.2574,  
0.3800


 77.3272, 0.2574,  
0.3800


 75.6816, 0.2528,  
0.3905


 79.4460, 0.2639,  
0.3698


 74.4587, 0.2502,  
0.4012


 82.0654, 0.2720,  
0.3601

 73.6123, 0.2496,  
0.4118


 85.2212, 0.2814,  
0.3510


 73.0740, 0.2508,  
0.4223

 88.9434, 0.2918,  
0.3426

 73.0013, 0.2511,  
0.4240

 93.2596, 0.3030,  
0.3349

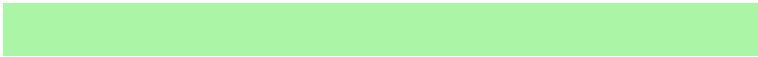
 97.9948, 0.3139,  
0.3279

 98.1136, 0.3128,  
0.3262

# Harmonies

## Analogous

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



77.3272, 0.3108, 0.4252



77.3272, 0.2574, 0.3800



77.3272, 0.2210, 0.3200

# Triad

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



77.3272, 0.2574, 0.3800



77.3272, 0.2532, 0.2378



77.3272, 0.4298, 0.3709

# Complementary

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



77.3272, 0.2574, 0.3800



32.8422, 0.4417, 0.2880

# 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.



77.3272, 0.4129, 0.3255



77.3272, 0.2574, 0.3800



77.3272, 0.3058, 0.2527

# Square

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



77.3272, 0.2574, 0.3800



77.3272, 0.2192, 0.2429



77.3272, 0.3656, 0.2838



77.3272, 0.4118, 0.4116



# Rectangle

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



77.3272, 0.2574, 0.3800



77.3272, 0.2096, 0.2849



77.3272, 0.3656, 0.2838



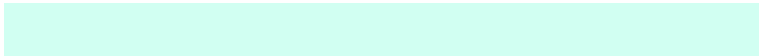
77.3272, 0.4281, 0.3558

# Sweetspot

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



77.3303, 0.2574, 0.3800



91.5130, 0.2923, 0.3423



76.8114, 0.3251, 0.5064



19.3346, 0.2891, 0.3446



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.



77.3303, 0.2574, 0.3800



77.4964, 0.2522, 0.3923



61.2793, 0.2316, 0.2895



19.5212, 0.3018, 0.3357



38.0466, 0.2506, 0.4222



3.5418, 0.2471, 0.4096



# Inverse Universe

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



32.8422, 0.4417, 0.2880



28.0111, 0.4843, 0.2847



39.5314, 0.4718, 0.3615



17.3047, 0.3250, 0.3224



11.0339, 0.5840, 0.2991

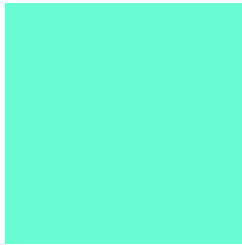


1.0391, 0.5504, 0.2806



# Previews

## White Background



This preview shows how the Yxy color 77.3272, 0.2574, 0.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

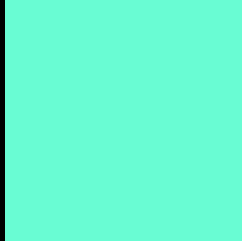
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3272, 0.2574, 0.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

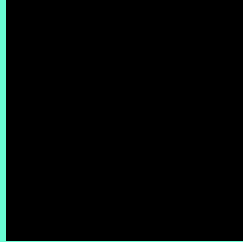
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3272, 0.2574, 0.3800**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3272, 0.2574, 0.3800.

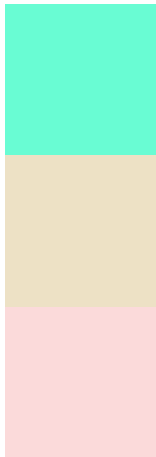


This preview shows how white text looks on a background with the Yxy color 77.3272, 0.2574, 0.3800.

# 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

77.3272, 0.2574, 0.3800

### Protanopia

75.8862, 0.3401, 0.3588

### Deuteranopia

75.7140, 0.3369, 0.3291



## Tritanopia

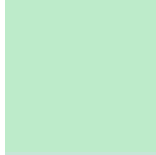
76.8093, 0.2571, 0.3120

# Trichromacy



## Original Color

77.3272, 0.2574, 0.3800



## Protanomaly

74.4997, 0.3024, 0.3672



## Deuteranomaly

73.5057, 0.3005, 0.3460



## Tritanomaly

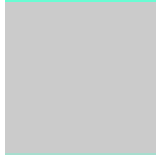
76.4223, 0.2566, 0.3347

# Monochromacy



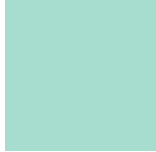
## Original Color

77.3272, 0.2574, 0.3800



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

64.3846, 0.2856, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3272, 0.2574, 0.3800 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(105, 252, 211)` looks like.

```
.text, #text, p{  
    color:rgb(105, 252, 211)  
}
```

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(105, 252, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 252, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3272, 0.2574, 0.3800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

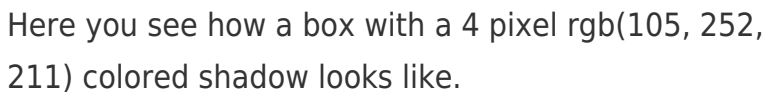
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 252, 211) }
```

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

```
.border{ border-color:rgb(105, 252, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 252, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 252, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 252, 211);  
box-shadow:4px 4px 4px 4px rgb(105, 252,  
211) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 77.3272, 0.2574, 0.3800$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 252, 211) }
```

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

```
.background{ background-color: rgb(105,  
252, 211) }
```

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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