

# Converting Colors

$Y_{xy}(92.3320, 0.2591, 0.4441)$

Have a look what the booklet for  
Yxy(92.3320, 0.2591, 0.4441)  
contains.

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# Color

**Yxy(75.4585, 0.2529, 0.4204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25FFBA
RGB	37, 255, 186
RGB Percent	15%, 100%, 73%
CMY	0.8540, 0.0000, 0.2705
CMYK	0.85, 0.00, 0.27, 0.00
HSL	161°, 100%, 57%
HSV	161°, 85%, 100%
XYZ	45.3936, 75.4585, 58.6401
YIQ	181.9520, -107.7790, -67.6750

# Conversions

## Conversions Part 2

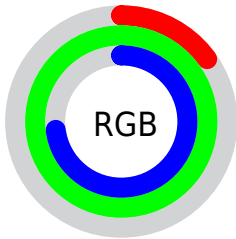
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 166, 255
Decimal	2490298
CIELab	89.61, -64.37, 19.36
CIELCh	90, 67.222, 163.260
Yxy	75.4585, 0.2529, 0.4204
Android (android.graphics.Color)	4280680378 (0xFF25FFBA)
YUV	181.9520, 1.9957, -127.1229
Hunter-Lab	86.8669, -58.7392, 20.7827

# Details

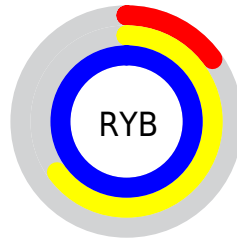
The Yxy color **75.4585, 0.2529, 0.4204** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **23.6411, 0.5296, 0.2812**, and the grayscale version is **46.8232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2159, 0.2514, 0.3440**, and **41.6260, 0.2553, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **74.8063, 0.2540, 0.4325**, and if you desaturate by 10%, it is **76.4650, 0.2537, 0.4081**.

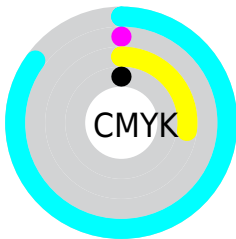
# Distribution



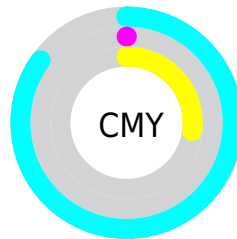
- Red (15%)
- Green (100%)
- Blue (73%)



- Red (15%)
- Yellow (65%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (85%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4585, 0.2529, 0.4204 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 75.4585, 0.2529, 0.4204 by changing the saturation by 10% instead.




 75.4585, 0.2529,  
0.4204


 75.4585, 0.2529,  
0.4204


479.4920, 0.2815,  
0.3758

 55.9886, 0.2462,  
0.4311


 126.9612, 0.2630,  
0.4045

 40.1938, 0.2378,  
0.4447


 159.7627, 0.2668,  
0.3984

 27.6897, 0.2270,  
0.4623


 197.7770, 0.2702,  
0.3933

 18.0919, 0.2128,  
0.4859

 241.3883, 0.2730,  
0.3888

 11.0160, 0.1932,  
0.5194

290.9810, 0.2755,  
0.3849

 6.0776, 0.1647,  
0.5697


346.9396, 0.2778,

 2.8923, 0.1119,


0.3815


0.6582


409.6485, 0.2797,  
0.3785


 1.0758, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.4585, 0.2529,  
0.4204


 75.4585, 0.2529,  
0.4204


 74.8063, 0.2540,  
0.4325

 76.4650, 0.2537,  
0.4081

 74.5829, 0.2550,  
0.4380


 77.8761, 0.2566,  
0.3959


 79.7424, 0.2615,  
0.3839

 82.1052, 0.2682,  
0.3723

 85.0007, 0.2763,  
0.3614

 88.4618, 0.2857,  
0.3512

 92.5187, 0.2959,  
0.3418

 97.1995, 0.3067,  
0.3332

99.9977, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.4585, 0.3262, 0.4727



75.4585, 0.2529, 0.4204



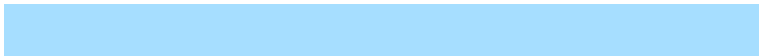
75.4585, 0.1998, 0.3349

# Triad

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



75.4585, 0.2529, 0.4204



75.4585, 0.2195, 0.2090



75.4585, 0.4704, 0.3643

# Complementary

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



75.4585, 0.2529, 0.4204



23.6411, 0.5296, 0.2812

# 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.



75.4585, 0.4366, 0.3070



75.4585, 0.2529, 0.4204



75.4585, 0.2825, 0.2225

# Square

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



75.4585, 0.2529, 0.4204



75.4585, 0.1840, 0.2205



75.4585, 0.3635, 0.2572



75.4585, 0.4542, 0.4217



# Rectangle

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



75.4585, 0.2529, 0.4204



75.4585, 0.1812, 0.2830



75.4585, 0.3635, 0.2572



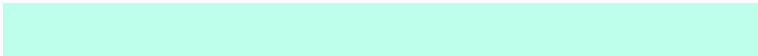
75.4585, 0.4647, 0.3448

# Sweetspot

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



75.4615, 0.2529, 0.4204



88.2411, 0.2851, 0.3517



74.9559, 0.3233, 0.5702



18.6191, 0.2818, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

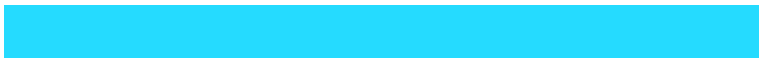
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4615, 0.2529, 0.4204



74.5853, 0.2550, 0.4380



58.1245, 0.2143, 0.2826



20.3778, 0.3022, 0.3366



39.0008, 0.2545, 0.4360



3.8172, 0.2506, 0.4223



# Inverse Universe

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



23.6411, 0.5296, 0.2812



21.8505, 0.5751, 0.2942



26.2280, 0.5887, 0.3510



18.0819, 0.3244, 0.3215



11.4411, 0.5708, 0.2918

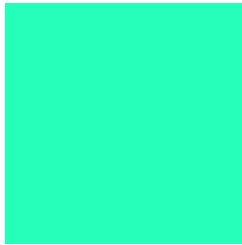


1.1328, 0.5389, 0.2742



# Previews

## White Background



This preview shows how the Yxy color 75.4585, 0.2529, 0.4204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

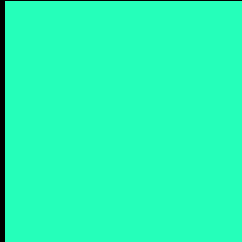
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4585, 0.2529, 0.4204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

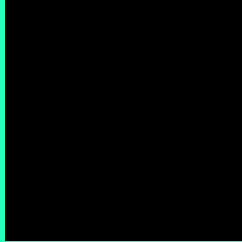
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.4585, 0.2529, 0.4204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.4585, 0.2529, 0.4204.



This preview shows how white text looks on a background with the Yxy color 75.4585, 0.2529, 0.4204.

# Color Blindness Simulation

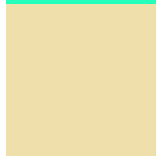
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.4585, 0.2529, 0.4204



### Protanopia

73.8928, 0.3593, 0.3848



### Deuteranopia

73.8010, 0.3571, 0.3496



## Tritanopia

75.0291, 0.2486, 0.3116

# Trichromacy



## Original Color

75.4585, 0.2529, 0.4204



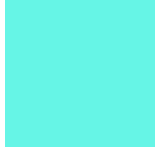
## Protanomaly

70.5506, 0.3023, 0.4020



## Deuteranomaly

69.6295, 0.3000, 0.3749



## Tritanomaly

73.8428, 0.2465, 0.3473

# Monochromacy



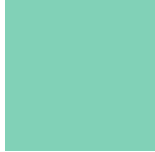
## Original Color

75.4585, 0.2529, 0.4204



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

53.6870, 0.2746, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4585, 0.2529, 0.4204 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(37, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(37, 255, 186)  
}
```

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(37, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4585, 0.2529, 0.4204 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(37, 255, 186) }
```

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

```
.border{ border-color:rgb(37, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(37, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4585, 0.2529, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 255, 186) }
```

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

```
.background{ background-color: rgb(37, 255,  
186) }
```

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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