

# Converting Colors

$Y_{xy}(75.8983, 0.2576, 0.4234)$

Have a look what the booklet for  
Yxy(75.8983, 0.2576, 0.4234)  
contains.

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# Color

**Yxy(75.8996, 0.2578, 0.4238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CFFB7
RGB	60, 255, 183
RGB Percent	24%, 100%, 72%
CMY	0.7648, 0.0000, 0.2823
CMYK	0.76, 0.00, 0.28, 0.00
HSL	158°, 100%, 62%
HSV	158°, 76%, 100%
XYZ	46.1702, 75.8996, 57.0232
YIQ	188.4870, -93.1080, -63.7320

# Conversions

## Conversions Part 2

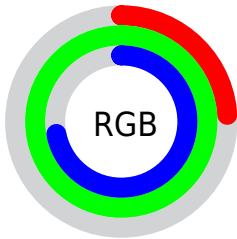
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 180, 255
Decimal	3997623
CIELab	89.81, -63.04, 21.23
CIELCh	90, 66.519, 161.393
Yxy	75.8996, 0.2578, 0.4238
Android (android.graphics.Color)	4282187703 (0xFF3CFFB7)
YUV	188.4870, -2.7051, -112.6831
Hunter-Lab	87.1204, -57.8631, 22.1770

# Details

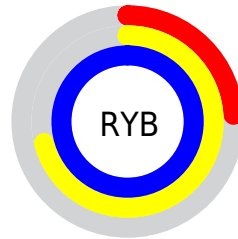
The Yxy color **75.8996, 0.2578, 0.4238** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **26.1535, 0.4820, 0.2681**, and the grayscale version is **50.6316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9029, 0.2570, 0.3474**, and **41.5442, 0.2569, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **74.9087, 0.2576, 0.4383**, and if you desaturate by 10%, it is **77.2981, 0.2600, 0.4093**.

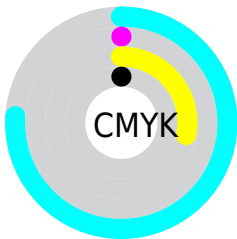
# Distribution



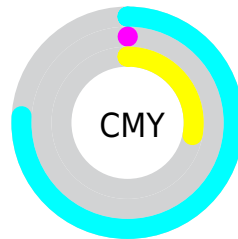
- Red (24%)
- Green (100%)
- Blue (72%)



- Red (24%)
- Yellow (71%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8996, 0.2578, 0.4238 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 75.8996, 0.2578, 0.4238 by changing the saturation by 10% instead.




 75.8996, 0.2578,  
0.4238


 75.8996, 0.2578,  
0.4238


481.0039, 0.2842,  
0.3775


 56.3502, 0.2515,  
0.4350


 127.5850, 0.2672,  
0.4072

 40.4838, 0.2437,  
0.4491


 160.4897, 0.2708,  
0.4010

 27.9159, 0.2335,  
0.4674


 198.6150, 0.2738,  
0.3956

 18.2623, 0.2201,  
0.4921

 242.3453, 0.2765,  
0.3910

 11.1385, 0.2013,  
0.5270

292.0650, 0.2788,  
0.3869

 6.1600, 0.1738,  
0.5795

348.1583, 0.2808,

 2.9426, 0.1242,

0.3834

0.6699

411.0099, 0.2826,  
0.3803

■ 1.1019, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 75.8996, 0.2578,  
0.4238

■ 75.8996, 0.2578,  
0.4238

■ 74.9087, 0.2576,  
0.4383

■ 77.2981, 0.2600,  
0.4093

■ 74.2651, 0.2594,  
0.4524

■ 79.1543, 0.2643,  
0.3950


■ 74.0890, 0.2604,  
0.4573


■ 81.5095, 0.2703,  
0.3813

■ 84.4009, 0.2778,  
0.3683

 87.8617, 0.2865,  
0.3562

 91.9227, 0.2960,  
0.3451

 96.6121, 0.3060,  
0.3350

 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.



75.8996, 0.3310, 0.4720



75.8996, 0.2578, 0.4238



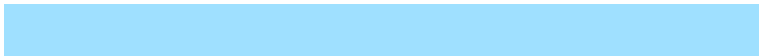
75.8996, 0.2035, 0.3402

# Triad

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



75.8996, 0.2578, 0.4238



75.8996, 0.2175, 0.2102



75.8996, 0.4679, 0.3605

# Complementary

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



75.8996, 0.2578, 0.4238



26.1535, 0.4820, 0.2681

# 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.



75.8996, 0.4315, 0.3040



75.8996, 0.2578, 0.4238



75.8996, 0.2783, 0.2221

# Square

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



75.8996, 0.2578, 0.4238



75.8996, 0.1840, 0.2234



75.8996, 0.3579, 0.2553



75.8996, 0.4550, 0.4176



# Rectangle

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



75.8996, 0.2578, 0.4238



75.8996, 0.1837, 0.2880



75.8996, 0.3579, 0.2553



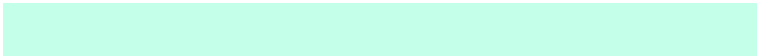
75.8996, 0.4612, 0.3413

# Sweetspot

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



75.8993, 0.2578, 0.4238



89.2061, 0.2897, 0.3522



76.9747, 0.3319, 0.5491



18.7955, 0.2863, 0.3563



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.



75.8993, 0.2578, 0.4238



74.5154, 0.2584, 0.4461



66.0319, 0.2223, 0.3006



20.3610, 0.3029, 0.3379



38.7429, 0.2597, 0.4550



3.7934, 0.2553, 0.4389



# Inverse Universe

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



26.1535, 0.4820, 0.2681



22.8359, 0.5321, 0.2752



27.7304, 0.5634, 0.3462



18.0979, 0.3236, 0.3203



11.5585, 0.5508, 0.2808

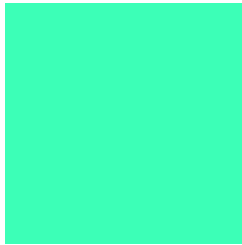


1.1456, 0.5198, 0.2637



# Previews

## White Background



This preview shows how the Yxy color 75.8996, 0.2578, 0.4238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

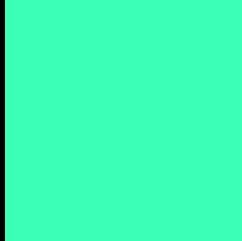
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.8996, 0.2578, 0.4238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

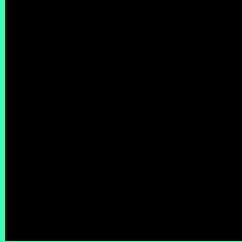
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.8996, 0.2578, 0.4238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8996, 0.2578, 0.4238.



This preview shows how white text looks on a background with the Yxy color 75.8996, 0.2578, 0.4238.

# 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

75.8996, 0.2578, 0.4238

### Protanopia

73.9532, 0.3621, 0.3878

### Deuteranopia

74.2668, 0.3577, 0.3517



## Tritanopia

75.4695, 0.2507, 0.3117

# Trichromacy



## Original Color

75.8996, 0.2578, 0.4238



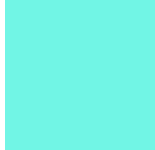
## Protanomaly

71.4325, 0.3098, 0.4045



## Deuteranomaly

70.5017, 0.3065, 0.3767



## Tritanomaly

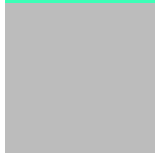
74.4727, 0.2508, 0.3484

# Monochromacy



## Original Color

75.8996, 0.2578, 0.4238



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

56.2949, 0.2804, 0.3639

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8996, 0.2578, 0.4238 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(60, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(60, 255, 183)  
}
```

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(60, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8996, 0.2578, 0.4238 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(60, 255, 183) }
```

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

```
.border{ border-color:rgb(60, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8996, 0.2578, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 183) }
```

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

```
.background{ background-color: rgb(60, 255,  
183) }
```

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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