

# Converting Colors

$Y_{xy}(75.7380, 0.2736, 0.4572)$

Have a look what the booklet for  
Yxy(75.7380, 0.2736, 0.4572)  
contains.

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# Color

**Yxy(75.7380, 0.2736, 0.4572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51FF9E
RGB	81, 255, 158
RGB Percent	32%, 100%, 62%
CMY	0.6826, 0.0000, 0.3802
CMYK	0.68, 0.00, 0.38, 0.00
HSL	147°, 100%, 66%
HSV	147°, 68%, 100%
XYZ	45.3235, 75.7380, 44.5946
YIQ	191.9160, -72.5670, -67.0550

# Conversions

## Conversions Part 2

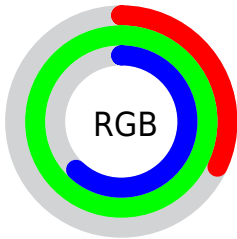
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 202, 255
Decimal	5373854
CIELab	89.74, -65.14, 33.78
CIELCh	90, 73.374, 152.589
Yxy	75.7380, 0.2736, 0.4572
Android (android.graphics.Color)	4283563934 (0xFF51FF9E)
YUV	191.9160, -16.7206, -97.2733
Hunter-Lab	87.0276, -59.3364, 30.5379

# Details

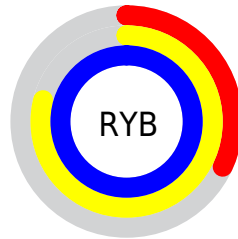
The Yxy color **75.7380, 0.2736, 0.4572** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.3465, 0.4087, 0.2376**, and the grayscale version is **52.7833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6200, 0.2747, 0.3784**, and **40.9731, 0.2690, 0.4884** is the 20% darker color. If you saturate the color by 10%, you get **74.3533, 0.2731, 0.4792**, and if you desaturate by 10%, it is **77.5993, 0.2760, 0.4351**.

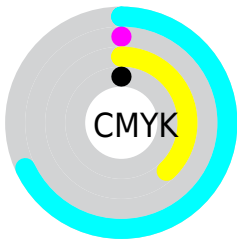
# Distribution



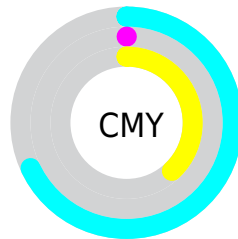
- Red (32%)
- Green (100%)
- Blue (62%)



- Red (32%)
- Yellow (79%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7380, 0.2736, 0.4572 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 75.7380, 0.2736, 0.4572 by changing the saturation by 10% instead.




 75.7380, 0.2736,  
0.4572

 75.7380, 0.2736,  
0.4572


480.4504, 0.2940,  
0.3936

 56.2177, 0.2683,  
0.4727


 127.3565, 0.2812,  
0.4343


 40.3775, 0.2616,  
0.4923


 160.2235, 0.2840,  
0.4257

 27.8330, 0.2525,  
0.5178


 198.3081, 0.2863,  
0.4183

 18.1998, 0.2398,  
0.5523

 241.9948, 0.2883,  
0.4120

 11.0935, 0.2211,  
0.6006

291.6680, 0.2900,  
0.4065

 6.1298, 0.1917,  
0.6717

347.7121, 0.2915,

 2.9242, 0.1420,

0.4017

0.8529

410.5114, 0.2928,  
0.3974

■ 1.0923, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 75.7380, 0.2736,  
0.4572

■ 75.7380, 0.2736,  
0.4572

■ 74.3533, 0.2731,  
0.4792

■ 77.5993, 0.2760,  
0.4351

■ 73.3969, 0.2746,  
0.5002

■ 79.9851, 0.2801,  
0.4135


■ 72.7963, 0.2779,  
0.5197

■ 82.9334, 0.2855,  
0.3929

■ 72.7112, 0.2786,  
0.5229

■ 86.4792, 0.2919,  
0.3738

 90.6547, 0.2990,  
0.3564

 95.4898, 0.3064,  
0.3407

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.



75.7380, 0.3552, 0.4906



75.7380, 0.2736, 0.4572



75.7380, 0.2072, 0.3689

# Triad

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



75.7380, 0.2736, 0.4572



75.7380, 0.1954, 0.2011



75.7380, 0.4775, 0.3430

# Complementary

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



75.7380, 0.2736, 0.4572



30.3465, 0.4087, 0.2376

# 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.



75.7380, 0.4227, 0.2843



75.7380, 0.2736, 0.4572



75.7380, 0.2523, 0.2069

# Square

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



75.7380, 0.2736, 0.4572



75.7380, 0.1685, 0.2234



75.7380, 0.3353, 0.2363



75.7380, 0.4775, 0.4054



# Rectangle

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



75.7380, 0.2736, 0.4572



75.7380, 0.1798, 0.3065



75.7380, 0.3353, 0.2363



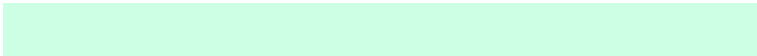
75.7380, 0.4649, 0.3228

# Sweetspot

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



75.7367, 0.2736, 0.4572



89.8808, 0.2977, 0.3593



81.7655, 0.3535, 0.5164



18.9798, 0.2957, 0.3641



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.



75.7367, 0.2736, 0.4572



73.9486, 0.2735, 0.4872



79.7618, 0.2380, 0.3427



20.3019, 0.3055, 0.3425



38.0221, 0.2777, 0.5199



3.7236, 0.2716, 0.4978



# Inverse Universe

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



30.3465, 0.4087, 0.2376



25.8284, 0.4379, 0.2319



27.9184, 0.5287, 0.3199



18.1565, 0.3206, 0.3158



12.1606, 0.4723, 0.2375

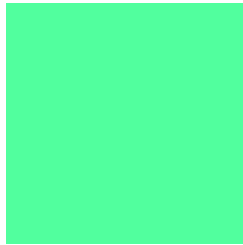


1.2060, 0.4502, 0.2254



# Previews

## White Background



This preview shows how the Yxy color 75.7380, 0.2736, 0.4572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

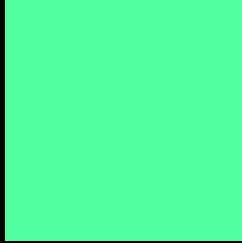
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7380, 0.2736, 0.4572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

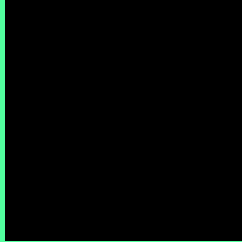
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7380, 0.2736, 0.4572**

## Background



This preview shows how black text looks on a background with the Yxy color 75.7380, 0.2736, 0.4572.

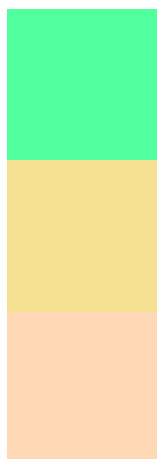


This preview shows how white text looks on a background with the Yxy color 75.7380, 0.2736, 0.4572.

# 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

75.7380, 0.2736, 0.4572

### Protanopia

74.4103, 0.3804, 0.4119

### Deuteranopia

74.2631, 0.3662, 0.3651



## Tritanopia

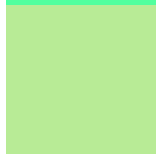
75.1560, 0.2518, 0.3106

# Trichromacy



## Original Color

75.7380, 0.2736, 0.4572



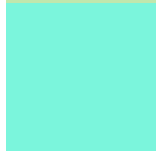
## Protanomaly

71.8090, 0.3300, 0.4310



## Deuteranomaly

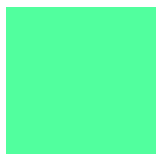
71.3754, 0.3223, 0.3976



## Tritanomaly

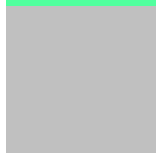
74.6831, 0.2587, 0.3595

# Monochromacy



## Original Color

75.7380, 0.2736, 0.4572



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

58.5716, 0.2913, 0.3751

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7380, 0.2736, 0.4572 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(81, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(81, 255, 158)  
}
```

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(81, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 255, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7380, 0.2736, 0.4572 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(81, 255, 158) }
```

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

```
.border{ border-color:rgb(81, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(81, 255,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7380, 0.2736, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 255, 158) }
```

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

```
.background{ background-color: rgb(81, 255,  
158) }
```

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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