

# Converting Colors

$Yxy(76.7924, 0.2731, 0.4406)$

Have a look what the booklet for  
Yxy(76.7924, 0.2731, 0.4406)  
contains.

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# Color

**Yxy(76.8175, 0.2733, 0.4407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FFFA9
RGB	95, 255, 169
RGB Percent	37%, 100%, 66%
CMY	0.6276, 0.0000, 0.3372
CMYK	0.63, 0.00, 0.34, 0.00
HSL	148°, 100%, 69%
HSV	148°, 63%, 100%
XYZ	47.6384, 76.8175, 49.8521
YIQ	197.3560, -67.7540, -60.6660

# Conversions

## Conversions Part 2

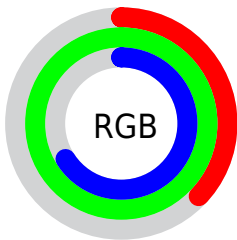
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 204, 255
Decimal	6291369
CIELab	90.24, -60.75, 29.02
CIELCh	90, 67.326, 154.466
Yxy	76.8175, 0.2733, 0.4407
Android (android.graphics.Color)	4284481449 (0xFF5FFFA9)
YUV	197.3560, -13.9795, -89.7662
Hunter-Lab	87.6456, -56.3590, 27.6283

# Details

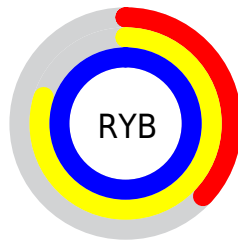
The Yxy color **76.8175, 0.2733, 0.4407** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **32.7746, 0.4016, 0.2452**, and the grayscale version is **56.1725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3272, 0.2742, 0.3633**, and **41.1935, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **75.1792, 0.2716, 0.4621**, and if you desaturate by 10%, it is **78.9536, 0.2768, 0.4196**.

# Distribution



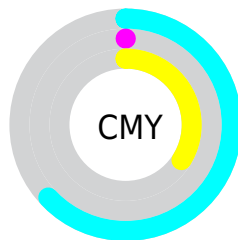
- Red (37%)
- Green (100%)
- Blue (66%)



- Red (37%)
- Yellow (80%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8175, 0.2733, 0.4407 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 76.8175, 0.2733, 0.4407 by changing the saturation by 10% instead.





 76.8175, 0.2733,  
0.4407


 76.8175, 0.2733,  
0.4407


484.1416, 0.2932,  
0.3858

 57.1031, 0.2683,  
0.4540


 128.8818, 0.2805,  
0.4210


 41.0880, 0.2620,  
0.4708


 162.0006, 0.2833,  
0.4136

 28.3879, 0.2536,  
0.4926


 200.3562, 0.2856,  
0.4072

 18.6182, 0.2421,  
0.5221

 244.3331, 0.2875,  
0.4017

 11.3948, 0.2254,  
0.5635

294.3157, 0.2892,  
0.3970

 6.3330, 0.1997,  
0.6252


350.6884, 0.2907,


 3.0486, 0.1575,


0.3928


0.7426


413.8355, 0.2921,  
0.3891


 1.1572, 0.0000,  
1.0000


 0.0263, 0.0000,  
1.0000

 76.8175, 0.2733,  
0.4407


 76.8175, 0.2733,  
0.4407


 75.1792, 0.2716,  
0.4621


 78.9536, 0.2768,  
0.4196


 73.9957, 0.2719,  
0.4831


 81.6327, 0.2818,  
0.3993


 73.2088, 0.2742,  
0.5031

 84.8899, 0.2881,  
0.3803

 72.8271, 0.2768,  
0.5166

 88.7585, 0.2951,  
0.3627

 93.2693, 0.3027,  
0.3469

 98.4507, 0.3105,  
0.3326

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.



76.8175, 0.3486, 0.4760



76.8175, 0.2733, 0.4407



76.8175, 0.2128, 0.3603

# Triad

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



76.8175, 0.2733, 0.4407



76.8175, 0.2065, 0.2100



76.8175, 0.4651, 0.3472

# Complementary

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



76.8175, 0.2733, 0.4407



32.7746, 0.4016, 0.2452

# 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.



76.8175, 0.4176, 0.2915



76.8175, 0.2733, 0.4407



76.8175, 0.2616, 0.2166

# Square

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



76.8175, 0.2733, 0.4407



76.8175, 0.1794, 0.2298



76.8175, 0.3390, 0.2455



76.8175, 0.4631, 0.4052



# Rectangle

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



76.8175, 0.2733, 0.4407



76.8175, 0.1881, 0.3046



76.8175, 0.3390, 0.2455



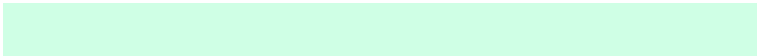
76.8175, 0.4544, 0.3280

# Sweetspot

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



76.8161, 0.2733, 0.4407



90.3757, 0.2979, 0.3566



82.4115, 0.3508, 0.5042



19.0787, 0.2958, 0.3613



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.



76.8161, 0.2733, 0.4407



74.8759, 0.2715, 0.4669



80.6668, 0.2401, 0.3383



20.3080, 0.3052, 0.3421



38.0832, 0.2760, 0.5135



3.7298, 0.2700, 0.4918



# Inverse Universe

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



32.7746, 0.4016, 0.2452



27.6712, 0.4284, 0.2371



30.4183, 0.5063, 0.3223



18.1503, 0.3210, 0.3163



12.0836, 0.4806, 0.2421

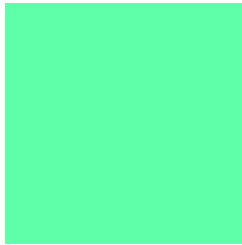


1.1986, 0.4573, 0.2293



# Previews

## White Background



This preview shows how the Yxy color 76.8175, 0.2733, 0.4407 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 76.8175, 0.2733, 0.4407 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 76.8175, 0.2733, 0.4407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8175, 0.2733, 0.4407.

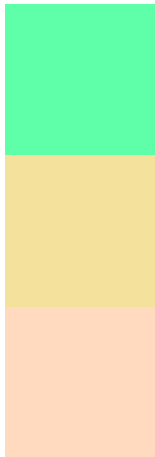


This preview shows how white text looks on a background with the Yxy color 76.8175, 0.2733, 0.4407.

# 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

76.8175, 0.2733, 0.4407

### Protanopia

75.3054, 0.3727, 0.4016

### Deuteranopia

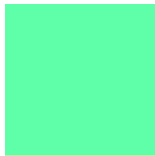
75.1205, 0.3601, 0.3578



## Tritanopia

75.9216, 0.2555, 0.3107

# Trichromacy



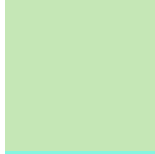
## Original Color

76.8175, 0.2733, 0.4407



## Protanomaly

73.3829, 0.3269, 0.4178



## Deuteranomaly

72.3995, 0.3202, 0.3861



## Tritanomaly

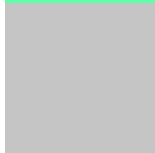
75.6732, 0.2611, 0.3542

# Monochromacy



## Original Color

76.8175, 0.2733, 0.4407



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

61.2042, 0.2924, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8175, 0.2733, 0.4407 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(95, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 169)  
}
```

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(95, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8175, 0.2733, 0.4407 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(95, 255, 169) }
```

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

```
.border{ border-color:rgb(95, 255, 169) }
```

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

Here you see how a box with a 4 pixel rgb(95, 255, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8175, 0.2733, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 169) }
```

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

```
.background{ background-color: rgb(95, 255,  
169) }
```

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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