

# Converting Colors

$Y_{xy}(47.8364, 0.3394, 0.5191)$

Have a look what the booklet for  
Yxy(47.8364, 0.3394, 0.5191)  
contains.

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# Color

**Yxy(47.6413, 0.3393, 0.5189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FCB44
RGB	127, 203, 68
RGB Percent	50%, 80%, 27%
CMY	0.5019, 0.2039, 0.7334
CMYK	0.37, 0.00, 0.67, 0.20
HSL	94°, 56%, 53%
HSV	94°, 67%, 80%
XYZ	31.1518, 47.6413, 13.0190
YIQ	164.8860, -1.9610, -58.0970

# Conversions

## Conversions Part 2

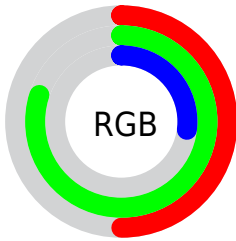
Format	Color
<a href="#">RYB</a>	<a href="#">68, 203, 144</a>
Decimal	<a href="#">8375108</a>
CIELab	<a href="#">74.60, -45.77, 57.67</a>
CIELCh	<a href="#">75, 73.631, 128.438</a>
Yxy	<a href="#">47.6413, 0.3393, 0.5189</a>
Android (android.graphics.Color)	<a href="#">4286565188 (0xFF7FCB44)</a>
YUV	<a href="#">164.8860, -47.7648, -33.2260</a>
Hunter-Lab	<a href="#">69.0227, -40.2277, 37.1327</a>

# Details

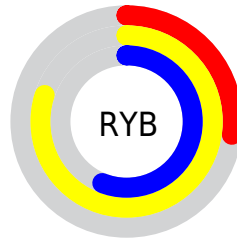
The Yxy color **47.6413, 0.3393, 0.5189** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **14.3714, 0.2517, 0.1486**, and the grayscale version is **37.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1155, 0.3403, 0.4791**, and **22.4819, 0.3342, 0.5728** is the 20% darker color. If you saturate the color by 10%, you get **46.6088, 0.3381, 0.5428**, and if you desaturate by 10%, it is **48.8632, 0.3385, 0.4911**.

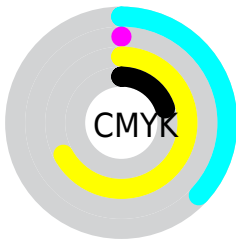
# Distribution



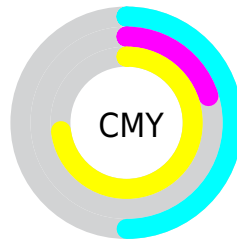
- Red (50%)
- Green (80%)
- Blue (27%)



- Red (27%)
- Yellow (80%)
- Blue (56%)



- Cyan (37%)
- Magenta (0%)
- Yellow (67%)
- Black (20%)




- Cyan (50%)
- Magenta (20%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6413, 0.3393, 0.5189 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 47.6413, 0.3393, 0.5189 by changing the saturation by 10% instead.




 47.6413, 0.3393,  
0.5189

 47.6413, 0.3393,  
0.5189


377.3686, 0.3328,  
0.4199

 33.5429, 0.3381,  
0.5435


 86.6701, 0.3389,  
0.4827

 22.5427, 0.3347,  
0.5742


 112.3693, 0.3382,  
0.4691


 14.2562, 0.3269,  
0.6131


 142.7042, 0.3373,  
0.4576

 8.2991, 0.3156,  
0.6732

 178.0593, 0.3363,  
0.4479

 4.2869, 0.2768,  
0.7232

 218.8188, 0.3354,  
0.4394

 1.8353, 0.1857,  
0.8143

265.3673, 0.3345,

 0.5090, 0.0000,

0.4321

1.0000

318.0891, 0.3336,  
0.4256

■ 0.0000, 0.0000,  
0.0000

■ 47.6413, 0.3393,  
0.5189

■ 47.6413, 0.3393,  
0.5189

■ 46.6088, 0.3381,  
0.5428

■ 48.8632, 0.3385,  
0.4911

■ 45.7469, 0.3349,  
0.5614

■ 50.2795, 0.3361,  
0.4611

■ 45.0422, 0.3299,  
0.5741

■ 51.9023, 0.3322,  
0.4304

■ 44.8249, 0.3280,  
0.5777

■ 53.7408, 0.3274,  
0.4002

■ 55.8038, 0.3221,  
0.3716

■ 58.0992, 0.3164,  
0.3451

■ 60.6349, 0.3107,  
0.3208

■ 63.4181, 0.3052,  
0.2990

■ 66.4557, 0.2998,  
0.2794

# Harmonies

## Analogous

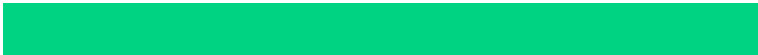
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6413, 0.4285, 0.4904



47.6413, 0.3393, 0.5189



47.6413, 0.2481, 0.4655

# Triad

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



47.6413, 0.3393, 0.5189



47.6413, 0.1530, 0.1997



47.6413, 0.4581, 0.2885

# Complementary

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



47.6413, 0.3393, 0.5189



14.3714, 0.2517, 0.1486

# 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.



47.6413, 0.3588, 0.2325



47.6413, 0.3393, 0.5189



47.6413, 0.1888, 0.1830

# Square

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



47.6413, 0.3393, 0.5189



47.6413, 0.1493, 0.2536



47.6413, 0.2588, 0.1953



47.6413, 0.5092, 0.3544

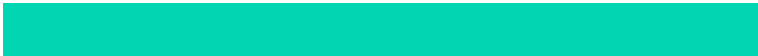


# Rectangle

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



47.6413, 0.3393, 0.5189



47.6413, 0.1988, 0.3913



47.6413, 0.2588, 0.1953



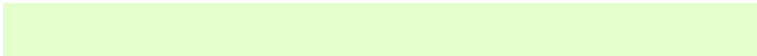
47.6413, 0.4281, 0.2683

# Sweetspot

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



47.6434, 0.3393, 0.5189



92.0960, 0.3241, 0.3821



32.5328, 0.4548, 0.4182



19.5022, 0.3257, 0.3903



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.



47.6434, 0.3393, 0.5189



77.3499, 0.3369, 0.5520



44.4464, 0.3001, 0.5335



12.7728, 0.3181, 0.3525



28.5770, 0.3290, 0.5769



1.5189, 0.3447, 0.5645



# Inverse Universe

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



14.3714, 0.2517, 0.1486



17.6754, 0.2347, 0.1188



20.8261, 0.3276, 0.1860



11.1502, 0.3069, 0.3057



5.0865, 0.2159, 0.0963



0.3068, 0.2358, 0.1073



# Previews

## White Background



This preview shows how the Yxy color 47.6413, 0.3393, 0.5189 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 47.6413, 0.3393, 0.5189 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 47.6413, 0.3393, 0.5189**

## Background



This preview shows how black text looks on a background with the Yxy color 47.6413, 0.3393, 0.5189.



This preview shows how white text looks on a background with the Yxy color 47.6413, 0.3393, 0.5189.

# 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

47.6413, 0.3393, 0.5189

### Protanopia

47.0521, 0.4222, 0.4652

### Deuteranopia

47.1531, 0.4417, 0.4322



## Tritanopia

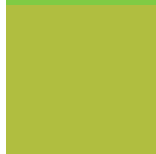
47.4377, 0.2699, 0.3088

# Trichromacy



## Original Color

47.6413, 0.3393, 0.5189



## Protanomaly

46.4272, 0.3899, 0.4860



## Deuteranomaly

46.2687, 0.4022, 0.4644



## Tritanomaly

46.9722, 0.2986, 0.3870

# Monochromacy



## Original Color

47.6413, 0.3393, 0.5189



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

40.4312, 0.3274, 0.4022

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6413, 0.3393, 0.5189 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(127, 203, 68)` looks like.

```
.text, #text, p{  
    color:rgb(127, 203, 68)  
}
```

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(127, 203, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 203, 68) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6413, 0.3393, 0.5189 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(127, 203, 68) }
```

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

```
.border{ border-color:rgb(127, 203, 68) }
```

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

Here you see how a box with a 4 pixel rgb(127, 203, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 203, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 203, 68);  
box-shadow:4px 4px 4px 4px rgb(127, 203,  
68) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6413, 0.3393, 0.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 203, 68) }
```

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

```
.background{ background-color: rgb(127,  
203, 68) }
```

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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