

# Converting Colors

Yxy(41.4664, 0.3290, 0.5293)

Have a look what the booklet for  
Yxy(41.4664, 0.3290, 0.5293)  
contains.

<b>Yxy(41.4801, 0.3288, 0.5299)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(41.4801, 0.3288, 0.5299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C13D
RGB	105, 193, 61
RGB Percent	41%, 76%, 24%
CMY	0.5882, 0.2431, 0.7609
CMYK	0.46, 0.00, 0.68, 0.24
HSL	100°, 52%, 50%
HSV	100°, 68%, 76%
XYZ	25.7382, 41.4801, 11.0608
YIQ	151.6400, -10.0760, -59.7080

# Conversions

## Conversions Part 2

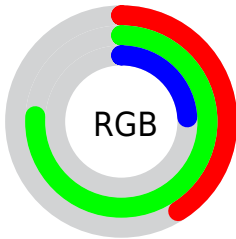
Format	Color
<a href="#">RYB</a>	<a href="#">61, 193, 149</a>
Decimal	<a href="#">6930749</a>
CIELab	<a href="#">70.51, -49.41, 55.84</a>
CIELCh	<a href="#">71, 74.560, 131.506</a>
Yxy	<a href="#">41.4801, 0.3288, 0.5299</a>
Android (android.graphics.Color)	<a href="#">4285120829 (0xFF69C13D)</a>
YUV	<a href="#">151.6400, -44.6855, -40.9033</a>
Hunter-Lab	<a href="#">64.4050, -41.3749, 34.9011</a>

# Details

The Yxy color **41.4801, 0.3288, 0.5299** 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 **13.5721, 0.2659, 0.1524**, and the grayscale version is **31.4362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2904, 0.3306, 0.4896**, and **19.0007, 0.3170, 0.5865** is the 20% darker color. If you saturate the color by 10%, you get **40.5891, 0.3265, 0.5542**, and if you desaturate by 10%, it is **42.5673, 0.3295, 0.5012**.

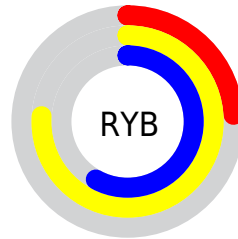
# Distribution



Red (41%)

Green (76%)

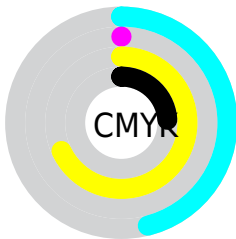
Blue (24%)



Red (24%)

Yellow (76%)

Blue (58%)

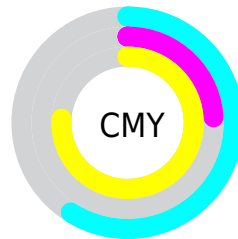


Cyan (46%)

Magenta (0%)

Yellow (68%)

Black (24%)



Cyan (59%)

Magenta (24%)


Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4801, 0.3288, 0.5299 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 41.4801, 0.3288, 0.5299 by changing the saturation by 10% instead.





 41.4801, 0.3288,  
0.5299

 41.4801, 0.3288,  
0.5299


352.3232, 0.3279,  
0.4220


 28.6944, 0.3258,  
0.5577


 77.4122, 0.3307,  
0.4896


 18.8498, 0.3196,  
0.5931


 101.3273, 0.3307,  
0.4747


 11.5618, 0.3074,  
0.6385


 129.7211, 0.3304,  
0.4623

 6.4460, 0.2891,  
0.7109

 162.9779, 0.3300,  
0.4517

 3.1181, 0.2348,  
0.7652

 201.4822, 0.3295,  
0.4427

 1.1937, 0.0000,  
1.0000

245.6182, 0.3290,

 0.0566, 0.0000,

0.4348

1.0000

295.7704, 0.3284,  
0.4280

■ 0.0000, 0.0000,  
0.0000

■ 41.4801, 0.3288,  
0.5299

■ 41.4801, 0.3288,  
0.5299

■ 40.5891, 0.3265,  
0.5542

■ 42.5673, 0.3295,  
0.5012

■ 39.8752, 0.3227,  
0.5726

■ 43.8576, 0.3286,  
0.4699

■ 39.3210, 0.3177,  
0.5848

■ 45.3636, 0.3266,  
0.4380

■ 39.2438, 0.3170,  
0.5865

■ 47.0957, 0.3236,  
0.4067

■ 49.0632, 0.3200,  
0.3772

■ 51.2751, 0.3161,  
0.3499

■ 53.7397, 0.3121,  
0.3252

■ 56.4650, 0.3080,  
0.3032

■ 59.4586, 0.3041,  
0.2835

# Harmonies

## Analogous

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



41.4801, 0.4236, 0.5036



41.4801, 0.3288, 0.5299



41.4801, 0.2348, 0.4641

# Triad

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



41.4801, 0.3288, 0.5299



41.4801, 0.1482, 0.1898



41.4801, 0.4753, 0.2924

# Complementary

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



41.4801, 0.3288, 0.5299



13.5721, 0.2659, 0.1524

# 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.



41.4801, 0.3727, 0.2329



41.4801, 0.3288, 0.5299



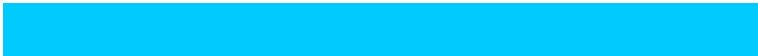
41.4801, 0.1885, 0.1764

# Square

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



41.4801, 0.3288, 0.5299



41.4801, 0.1407, 0.2408



41.4801, 0.2651, 0.1920



41.4801, 0.5215, 0.3610

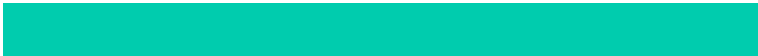


# Rectangle

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



41.4801, 0.3288, 0.5299



41.4801, 0.1859, 0.3818



41.4801, 0.2651, 0.1920



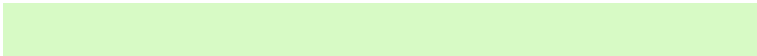
41.4801, 0.4452, 0.2711

# Sweetspot

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



41.4819, 0.3288, 0.5299



86.7951, 0.3211, 0.3856



32.4779, 0.4453, 0.4351



18.4085, 0.3221, 0.3938



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



41.4819, 0.3288, 0.5299



72.0307, 0.3248, 0.5640



39.7235, 0.2940, 0.5198



11.4184, 0.3165, 0.3524



26.1403, 0.3178, 0.5858



1.1676, 0.3361, 0.5714



# Inverse Universe

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



13.5721, 0.2659, 0.1524



18.6625, 0.2524, 0.1261



17.6977, 0.3457, 0.1959



10.0738, 0.3086, 0.3059



5.6911, 0.2391, 0.1091



0.2823, 0.2578, 0.1194



# Previews

## White Background



This preview shows how the Yxy color 41.4801, 0.3288, 0.5299 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 41.4801, 0.3288, 0.5299 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 41.4801, 0.3288, 0.5299**

## Background



This preview shows how black text looks on a background with the Yxy color 41.4801, 0.3288, 0.5299.



This preview shows how white text looks on a background with the Yxy color 41.4801, 0.3288, 0.5299.

# 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

41.4801, 0.3288, 0.5299

### Protanopia

40.9874, 0.4238, 0.4672

### Deuteranopia

40.7955, 0.4428, 0.4335



## Tritanopia

41.0947, 0.2611, 0.3073

# Trichromacy



## Original Color

41.4801, 0.3288, 0.5299



## Protanomaly

40.4115, 0.3850, 0.4930



## Deuteranomaly

39.6760, 0.3978, 0.4697



## Tritanomaly

40.6952, 0.2890, 0.3902

# Monochromacy



## Original Color

41.4801, 0.3288, 0.5299



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

34.1202, 0.3236, 0.4068

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4801, 0.3288, 0.5299 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(105, 193, 61)` looks like.

```
.text, #text, p{  
    color:rgb(105, 193, 61)  
}
```

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(105, 193, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 193, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4801, 0.3288, 0.5299 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(105, 193, 61) }
```

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

```
.border{ border-color:rgb(105, 193, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 193, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 193, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 193, 61);  
box-shadow:4px 4px 4px 4px rgb(105, 193,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4801, 0.3288, 0.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 193, 61) }
```

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

```
.background{ background-color: rgb(105,  
193, 61) }
```

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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