

# Converting Colors

$Y_{xy}(41.0638, 0.3756, 0.5294)$

Have a look what the booklet for  
Yxy(41.0638, 0.3756, 0.5294)  
contains.

<b>Yxy(41.0320, 0.3753, 0.5297)</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(41.0320, 0.3753, 0.5297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FBA1A
RGB	143, 186, 26
RGB Percent	56%, 73%, 10%
CMY	0.4392, 0.2706, 0.8984
CMYK	0.23, 0.00, 0.86, 0.27
HSL	76°, 76%, 42%
HSV	76°, 86%, 73%
XYZ	29.0718, 41.0320, 7.3590
YIQ	154.9030, 25.7320, -58.8760

# Conversions

## Conversions Part 2

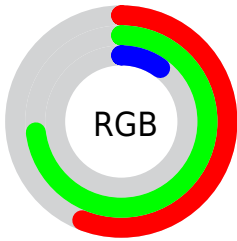
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	26, 186, 69
Decimal	9419290
CIE Lab	70.20, -34.66, 67.15
CIE LCh	70, 75.568, 117.301
Yxy	41.0320, 0.3753, 0.5297
Android (android.graphics.Color)	4287609370 (0xFF8FBA1A)
YUV	154.9030, -63.5492, -10.4389
Hunter-Lab	64.0562, -31.0866, 38.0280

# Details

The Yxy color **41.0320, 0.3753, 0.5297** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.5422, 0.1821, 0.0864**, and the grayscale version is **33.0074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6430, 0.3707, 0.4929**, and **18.8013, 0.3612, 0.5514** is the 20% darker color. If you saturate the color by 10%, you get **40.5396, 0.3735, 0.5393**, and if you desaturate by 10%, it is **41.6013, 0.3746, 0.5155**.

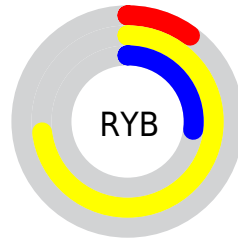
# Distribution



Red (56%)

Green (73%)

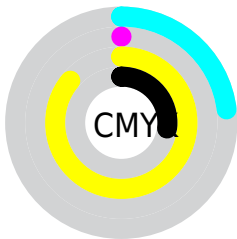
Blue (10%)



Red (10%)

Yellow (73%)

Blue (27%)

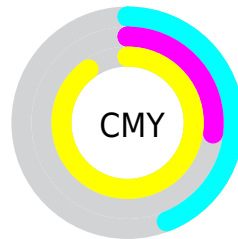


Cyan (23%)

Magenta (0%)

Yellow (86%)

Black (27%)



Cyan (44%)

Magenta (27%)


Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0320, 0.3753, 0.5297 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 41.0320, 0.3753, 0.5297 by changing the saturation by 10% instead.





 41.0320, 0.3753,  
0.5297


 41.0320, 0.3753,  
0.5297


350.4543, 0.3529,  
0.4272

 28.3441, 0.3763,  
0.5533


 76.7325, 0.3703,  
0.4933

 18.5852, 0.3746,  
0.5812


 100.5138, 0.3674,  
0.4793


 11.3709, 0.3712,  
0.6206


 128.7618, 0.3645,  
0.4673

 6.3169, 0.3488,  
0.6512

 161.8607, 0.3619,  
0.4570

 3.0387, 0.3091,  
0.6909

 200.1950, 0.3594,  
0.4480

 1.1520, 0.1646,  
0.8354

 244.1492, 0.3571,

 0.0220, 0.0000,

0.4402

1.0000

294.1075, 0.3549,  
0.4333

■ 0.0000, 0.0000,  
0.0000

■ 41.0320, 0.3753,  
0.5297

■ 41.0320, 0.3753,  
0.5297

■ 40.5396, 0.3735,  
0.5393

■ 41.6013, 0.3746,  
0.5155

■ 40.3577, 0.3725,  
0.5424

■ 42.2518, 0.3715,  
0.4968

■ 42.9929, 0.3660,  
0.4743

■ 43.8313, 0.3585,  
0.4493

■ 44.7728, 0.3496,  
0.4227

■ 45.8229, 0.3397,  
0.3957

■ 46.9864, 0.3294,  
0.3692

■ 48.2679, 0.3190,  
0.3437

■ 49.6719, 0.3087,  
0.3198

# Harmonies

## Analogous

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



41.0320, 0.4640, 0.4744



41.0320, 0.3753, 0.5297



41.0320, 0.2766, 0.5111

# Triad

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



41.0320, 0.3753, 0.5297



41.0320, 0.1385, 0.2066



41.0320, 0.4329, 0.2615

# Complementary

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



41.0320, 0.3753, 0.5297



5.5422, 0.1821, 0.0864

# 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.



41.0320, 0.3193, 0.2091



41.0320, 0.3753, 0.5297



41.0320, 0.1632, 0.1768

# Square

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



41.0320, 0.3753, 0.5297



41.0320, 0.1466, 0.2805



41.0320, 0.2228, 0.1794



41.0320, 0.5121, 0.3273



# Rectangle

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



41.0320, 0.3753, 0.5297



41.0320, 0.2173, 0.4439



41.0320, 0.2228, 0.1794



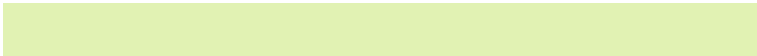
41.0320, 0.3959, 0.2420

# Sweetspot

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



41.0338, 0.3753, 0.5297



82.9792, 0.3401, 0.3967



14.7212, 0.5651, 0.3691



18.1231, 0.3436, 0.4061



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.0338, 0.3753, 0.5297



73.0205, 0.3718, 0.5430



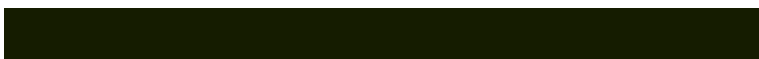
36.2599, 0.3145, 0.5756



10.3788, 0.3224, 0.3519



27.1877, 0.3732, 0.5419



0.9871, 0.3856, 0.5320



# Inverse Universe

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



5.5422, 0.1821, 0.0864



7.5523, 0.1652, 0.0683



10.6367, 0.2710, 0.1337



8.8331, 0.3025, 0.3057



2.8728, 0.1676, 0.0697



0.1327, 0.1967, 0.0857



# Previews

## White Background



This preview shows how the Yxy color 41.0320, 0.3753, 0.5297 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 41.0320, 0.3753, 0.5297 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 41.0320, 0.3753, 0.5297**

## Background



This preview shows how black text looks on a background with the Yxy color 41.0320, 0.3753, 0.5297.



This preview shows how white text looks on a background with the Yxy color 41.0320, 0.3753, 0.5297.

# 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

41.0320, 0.3753, 0.5297

### Protanopia

40.8966, 0.4368, 0.4843

### Deuteranopia

40.4549, 0.4614, 0.4513



## Tritanopia

40.8459, 0.2896, 0.3096

# Trichromacy



## Original Color

41.0320, 0.3753, 0.5297

## Protanomaly

40.6201, 0.4140, 0.5011

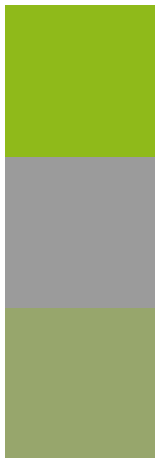
## Deuteranomaly

40.0720, 0.4298, 0.4802

## Tritanomaly

40.1716, 0.3310, 0.4035

# Monochromacy



## Original Color

41.0320, 0.3753, 0.5297

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

34.9345, 0.3488, 0.4187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0320, 0.3753, 0.5297 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(143, 186, 26)` looks like.

```
.text, #text, p{  
    color:rgb(143, 186, 26)  
}
```

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(143, 186, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 186, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0320, 0.3753, 0.5297 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(143, 186, 26) }
```

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

```
.border{ border-color:rgb(143, 186, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 186, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 186, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 186, 26);  
box-shadow:4px 4px 4px 4px rgb(143, 186,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0320, 0.3753, 0.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 186, 26) }
```

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

```
.background{ background-color: rgb(143,  
186, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor