

# Converting Colors

$Yxy(38.4676, 0.2940, 0.5506)$

Have a look what the booklet for  
Yxy(38.4676, 0.2940, 0.5506)  
contains.

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# Color

**Yxy(38.4784, 0.2939, 0.5502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27C03E
RGB	39, 192, 62
RGB Percent	15%, 75%, 24%
CMY	0.8473, 0.2470, 0.7568
CMYK	0.80, 0.00, 0.68, 0.25
HSL	129°, 66%, 45%
HSV	129°, 80%, 75%
XYZ	20.5540, 38.4784, 10.9029
YIQ	131.4330, -49.4580, -72.8660

# Conversions

## Conversions Part 2

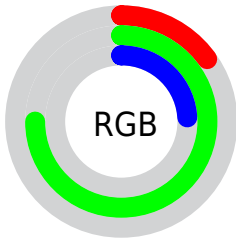
Format	Color
<a href="#">RYB</a>	<a href="#">39, 172, 192</a>
Decimal	<a href="#">2605118</a>
CIELab	<a href="#">68.37, -63.56, 52.60</a>
CIELCh	<a href="#">68, 82.496, 140.390</a>
Yxy	<a href="#">38.4784, 0.2939, 0.5502</a>
Android (android.graphics.Color)	<a href="#">4280795198 (0xFF27C03E)</a>
YUV	<a href="#">131.4330, -34.2305, -81.0637</a>
Hunter-Lab	<a href="#">62.0310, -49.4081, 33.0005</a>

# Details

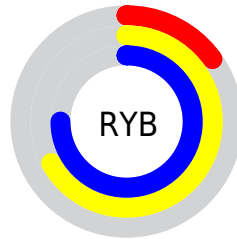
The Yxy color **38.4784, 0.2939, 0.5502** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **15.5149, 0.3523, 0.1846**, and the grayscale version is **22.9919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0538, 0.3031, 0.5038**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.0430, 0.2949, 0.5718**, and if you desaturate by 10%, it is **39.1601, 0.2939, 0.5234**.

# Distribution



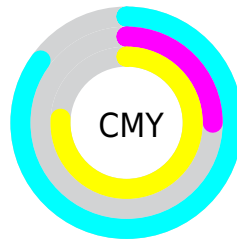
- Red (15%)
- Green (75%)
- Blue (24%)



- Red (15%)
- Yellow (67%)
- Blue (75%)



- Cyan (80%)
- Magenta (0%)
- Yellow (68%)
- Black (25%)




- Cyan (85%)
- Magenta (25%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4784, 0.2939, 0.5502 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 38.4784, 0.2939, 0.5502 by changing the saturation by 10% instead.





 38.4784, 0.2939,  
0.5502


 38.4784, 0.2939,  
0.5502


339.6678, 0.3115,  
0.4272

 26.3542, 0.2859,  
0.5837


 72.8408, 0.3028,  
0.5031

 17.0888, 0.2732,  
0.6273


 95.8478, 0.3053,  
0.4860

 10.2978, 0.2520,  
0.6849


 123.2512, 0.3072,  
0.4719

 5.5969, 0.2205,  
0.7795

 155.4354, 0.3086,  
0.4601

 2.6015, 0.1279,  
0.8721

 192.7847, 0.3096,  
0.4500

 0.9274, 0.0000,  
1.0000

235.6836, 0.3104,

 0.0000, 0.0000,

0.4413

0.0000

284.5165, 0.3110,  
0.4338

■ 38.4784, 0.2939,  
0.5502

■ 38.4784, 0.2939,  
0.5502

■ 38.0430, 0.2949,  
0.5718

■ 39.1601, 0.2939,  
0.5234

■ 37.7962, 0.2965,  
0.5873

■ 40.1130, 0.2950,  
0.4933

■ 37.7906, 0.2966,  
0.5876

■ 41.3638, 0.2970,  
0.4619

■ 42.9350, 0.2996,  
0.4308

■ 44.8467, 0.3027,  
0.4013

■ 47.1175, 0.3061,  
0.3742

■ 49.7645, 0.3095,  
0.3499

■ 52.8039, 0.3128,  
0.3285

■ 56.2507, 0.3160,  
0.3097

# Harmonies

## Analogous

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



38.4784, 0.4004, 0.5393



38.4784, 0.2939, 0.5502



38.4784, 0.1974, 0.4439

# Triad

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



38.4784, 0.2939, 0.5502



38.4784, 0.1417, 0.1674



38.4784, 0.5203, 0.3070

# Complementary

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



38.4784, 0.2939, 0.5502



15.5149, 0.3523, 0.1846

# 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.



38.4784, 0.4176, 0.2398



38.4784, 0.2939, 0.5502



38.4784, 0.1956, 0.1638

# Square

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



38.4784, 0.2939, 0.5502



38.4784, 0.1233, 0.2072



38.4784, 0.2913, 0.1891



38.4784, 0.5441, 0.3817



# Rectangle

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



38.4784, 0.2939, 0.5502



38.4784, 0.1535, 0.3444



38.4784, 0.2913, 0.1891



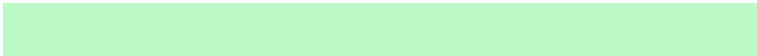
38.4784, 0.4931, 0.2835

# Sweetspot

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



38.4800, 0.2939, 0.5502



83.3686, 0.3045, 0.3865



46.2880, 0.3917, 0.5095



17.5757, 0.3033, 0.3964



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.



38.4800, 0.2939, 0.5502



68.5723, 0.2963, 0.5843



39.9794, 0.2560, 0.4212



11.2830, 0.3096, 0.3491



25.4345, 0.2961, 0.5861



1.1070, 0.2864, 0.5509



# Inverse Universe

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



15.5149, 0.3523, 0.1846



25.3629, 0.3619, 0.1779



13.4350, 0.4943, 0.2720



10.2206, 0.3160, 0.3097



9.3302, 0.3626, 0.1771



0.4104, 0.3519, 0.1712



# Previews

## White Background



This preview shows how the Yxy color 38.4784, 0.2939, 0.5502 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 38.4784, 0.2939, 0.5502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

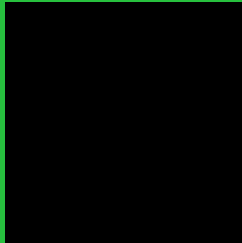
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.4784, 0.2939, 0.5502**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.4784, 0.2939, 0.5502.



This preview shows how white text looks on a background with the Yxy color 38.4784, 0.2939, 0.5502.

# 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

38.4784, 0.2939, 0.5502

### Protanopia

37.8626, 0.4223, 0.4657

### Deuteranopia

37.5875, 0.4383, 0.4283



## Tritanopia

38.0665, 0.2378, 0.3058

# Trichromacy



## Original Color

38.4784, 0.2939, 0.5502



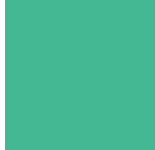
## Protanomaly

35.8710, 0.3604, 0.5048



## Deuteranomaly

35.2114, 0.3693, 0.4789



## Tritanomaly

37.5852, 0.2589, 0.3938

# Monochromacy



## Original Color

38.4784, 0.2939, 0.5502



## Achromatopsia

22.6966, 0.3127, 0.3290



## Achromatomaly

26.4197, 0.3012, 0.4182

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.4784, 0.2939, 0.5502 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(39, 192, 62)` looks like.

```
.text, #text, p{  
  color:rgb(39, 192, 62)  
}
```

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(39, 192, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 192, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 38.4784, 0.2939, 0.5502 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(39, 192, 62) }
```

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

```
.border{ border-color:rgb(39, 192, 62) }
```

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

Here you see how a box with a 4 pixel rgb(39, 192, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 192, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 192, 62);  
box-shadow:4px 4px 4px 4px rgb(39, 192,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.4784, 0.2939, 0.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 192, 62) }
```

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

```
.background{ background-color: rgb(39, 192,  
62) }
```

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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