

# Converting Colors

$Y_{xy}(39.6216, 0.2997, 0.5921)$

Have a look what the booklet for  
Yxy(39.6216, 0.2997, 0.5921)  
contains.

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# Color

**Yxy(39.6319, 0.2997, 0.5920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0FC414
RGB	15, 196, 20
RGB Percent	6%, 77%, 8%
CMY	0.9408, 0.2314, 0.9218
CMYK	0.92, 0.00, 0.90, 0.23
HSL	122°, 86%, 41%
HSV	122°, 92%, 77%
XYZ	20.0636, 39.6319, 7.2502
YIQ	121.8170, -51.3800, -93.1080

# Conversions

## Conversions Part 2

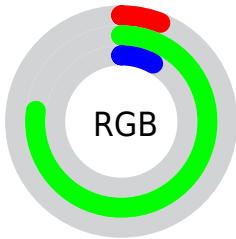
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 191, 196
Decimal	1033236
CIELab	69.21, -69.56, 65.84
CIElCh	69, 95.781, 136.572
Yxy	39.6319, 0.2997, 0.5920
Android (android.graphics.Color)	4279223316 (0xFF0FC414)
YUV	121.8170, -50.1958, -93.6785
Hunter-Lab	62.9539, -53.2806, 37.2394

# Details

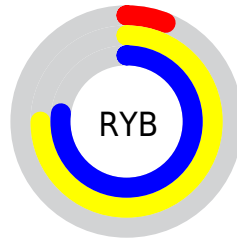
The Yxy color **39.6319, 0.2997, 0.5920** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **15.8488, 0.3270, 0.1602**, and the grayscale version is **19.5856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6197, 0.3107, 0.5383**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.4925, 0.2996, 0.5984**, and if you desaturate by 10%, it is **39.9794, 0.2999, 0.5768**.

# Distribution



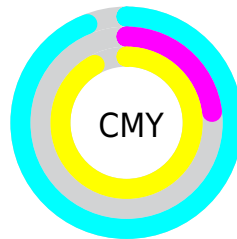
- Red (6%)
- Green (77%)
- Blue (8%)



- Red (6%)
- Yellow (75%)
- Blue (77%)



- Cyan (92%)
- Magenta (0%)
- Yellow (90%)
- Black (23%)




- Cyan (94%)
- Magenta (23%)
- Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6319, 0.2997, 0.5920 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 39.6319, 0.2997, 0.5920 by changing the saturation by 10% instead.





 39.6319, 0.2997,  
0.5920


 39.6319, 0.2997,  
0.5920

344.5696, 0.3187,  
0.4480

 27.2517, 0.2896,  
0.6288


 74.6027, 0.3104,  
0.5382

 17.7623, 0.2732,  
0.6745

 97.9620, 0.3132,  
0.5182


 10.7795, 0.2499,  
0.7417


 125.7497, 0.3151,  
0.5016

 5.9187, 0.2017,  
0.7983

 158.3504, 0.3164,  
0.4875

 2.7957, 0.1035,  
0.8965

 196.1483, 0.3173,  
0.4754

 1.0260, 0.0000,  
1.0000

 239.5279, 0.3180,

 0.0000, 0.0000,

0.4650

0.0000

288.8735, 0.3184,  
0.4560

■ 39.6319, 0.2997,  
0.5920

■ 39.6319, 0.2997,  
0.5920

■ 39.4925, 0.2996,  
0.5984

■ 39.9794, 0.2999,  
0.5768

■ 40.5796, 0.3007,  
0.5536

■ 41.4704, 0.3019,  
0.5238

■ 42.6825, 0.3035,  
0.4902

■ 44.2425, 0.3053,  
0.4551

■ 46.1742, 0.3071,  
0.4209

■ 48.4994, 0.3090,  
0.3889

■ 51.2383, 0.3108,  
0.3600

■ 54.4094, 0.3124,  
0.3344

# Harmonies

## Analogous

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



39.6319, 0.4162, 0.5521



39.6319, 0.2997, 0.5920



39.6319, 0.1918, 0.4853

# Triad

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



39.6319, 0.2997, 0.5920



39.6319, 0.1205, 0.1529



39.6319, 0.5390, 0.2904

# Complementary

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



39.6319, 0.2997, 0.5920



15.8488, 0.3270, 0.1602

# 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.



39.6319, 0.4130, 0.2205



39.6319, 0.2997, 0.5920



39.6319, 0.1721, 0.1460

# Square

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



39.6319, 0.2997, 0.5920



39.6319, 0.1049, 0.1996



39.6319, 0.2708, 0.1693



39.6319, 0.5736, 0.3680

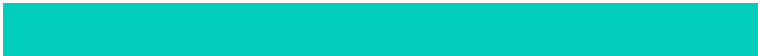


# Rectangle

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



39.6319, 0.2997, 0.5920



39.6319, 0.1412, 0.3653



39.6319, 0.2708, 0.1693



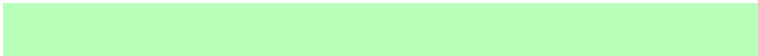
39.6319, 0.5046, 0.2660

# Sweetspot

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



39.6335, 0.2997, 0.5920



85.1854, 0.3079, 0.4082



50.8515, 0.4151, 0.5048



17.8608, 0.3071, 0.4226



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.



39.6335, 0.2997, 0.5920



71.5350, 0.2997, 0.5989



40.6780, 0.2688, 0.4822



11.2631, 0.3112, 0.3521



25.3770, 0.2994, 0.5980



1.0980, 0.2974, 0.5906



# Inverse Universe

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



15.8488, 0.3270, 0.1602



28.0480, 0.3278, 0.1580



13.0501, 0.4849, 0.2495



10.2427, 0.3142, 0.3069



9.9529, 0.3276, 0.1579

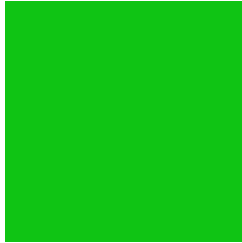


0.4315, 0.3260, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 39.6319, 0.2997, 0.5920 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 39.6319, 0.2997, 0.5920 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 39.6319, 0.2997, 0.5920**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6319, 0.2997, 0.5920.



This preview shows how white text looks on a background with the Yxy color 39.6319, 0.2997, 0.5920.

# 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

39.6319, 0.2997, 0.5920

### Protanopia

38.8307, 0.4399, 0.4880

### Deuteranopia

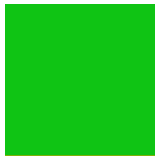
38.6952, 0.4582, 0.4492



## Tritanopia

39.3261, 0.2363, 0.3060

# Trichromacy



## Original Color

39.6319, 0.2997, 0.5920



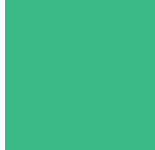
## Protanomaly

36.2961, 0.3677, 0.5430



## Deuteranomaly

35.1276, 0.3782, 0.5163



## Tritanomaly

38.1336, 0.2633, 0.4229

# Monochromacy



## Original Color

39.6319, 0.2997, 0.5920



## Achromatopsia

19.4618, 0.3127, 0.3290



## Achromatomaly

23.9898, 0.3049, 0.4584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6319, 0.2997, 0.5920 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(15, 196, 20)` looks like.

```
.text, #text, p{  
    color:rgb(15, 196, 20)  
}
```

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(15, 196, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 196, 20) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6319, 0.2997, 0.5920 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(15, 196, 20) }
```

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

```
.border{ border-color:rgb(15, 196, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 196, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 196, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 196, 20);  
box-shadow:4px 4px 4px 4px rgb(15, 196,  
20) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6319, 0.2997, 0.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 196, 20) }
```

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

```
.background{ background-color: rgb(15, 196,  
20) }
```

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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