

# Converting Colors

$Y_{xy}(38.2990, 0.3003, 0.5929)$

Have a look what the booklet for  
Yxy(38.2990, 0.3003, 0.5929)  
contains.

<b>Yxy(38.2996, 0.3003, 0.5929)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(38.2996, 0.3003, 0.5929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	11C111
RGB	17, 193, 17
RGB Percent	7%, 76%, 7%
CMY	0.9344, 0.2431, 0.9334
CMYK	0.91, 0.00, 0.91, 0.24
HSL	120°, 84%, 41%
HSV	120°, 91%, 76%
XYZ	19.3985, 38.2996, 6.8990
YIQ	120.3120, -48.4000, -92.0480

# Conversions

## Conversions Part 2

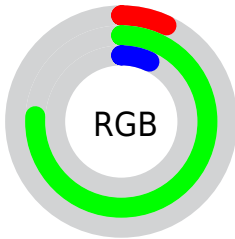
Format	Color
<a href="#">RYB</a>	<a href="#">17, 193, 193</a>
Decimal	<a href="#">1163537</a>
CIELab	<a href="#">68.24, -68.72, 65.51</a>
CIELCh	<a href="#">68, 94.945, 136.372</a>
Yxy	<a href="#">38.2996, 0.3003, 0.5929</a>
Android (android.graphics.Color)	<a href="#">4279353617 (0xFF11C111)</a>
YUV	<a href="#">120.3120, -50.9328, -90.6046</a>
Hunter-Lab	<a href="#">61.8867, -52.3505, 36.7112</a>

# Details

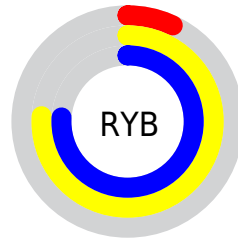
The Yxy color **38.2996, 0.3003, 0.5929** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.5707, 0.3211, 0.1573**, and the grayscale version is **19.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6377, 0.3111, 0.5390**, and **18.1770, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.1447, 0.3000, 0.5999**, and if you desaturate by 10%, it is **38.6486, 0.3010, 0.5781**.

# Distribution



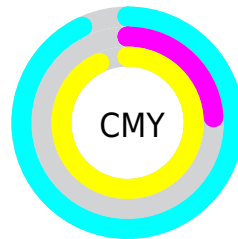
- Red (7%)
- Green (76%)
- Blue (7%)



- Red (7%)
- Yellow (76%)
- Blue (76%)



- Cyan (91%)
- Magenta (0%)
- Yellow (91%)
- Black (24%)




- Cyan (93%)
- Magenta (24%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2996, 0.3003, 0.5929 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 38.2996, 0.3003, 0.5929 by changing the saturation by 10% instead.





 38.2996, 0.3003,  
0.5929


 38.2996, 0.3003,  
0.5929


338.9034, 0.3191,  
0.4478

 26.2153, 0.2900,  
0.6302

 72.5671, 0.3110,  
0.5385


 16.9848, 0.2732,  
0.6765


 95.5191, 0.3139,  
0.5184


 10.2236, 0.2501,  
0.7477


 122.8625, 0.3157,  
0.5016

 5.5475, 0.1992,  
0.8008

 154.9816, 0.3170,  
0.4874

 2.5719, 0.0859,  
0.9141

 192.2608, 0.3179,  
0.4753

 0.9126, 0.0000,  
1.0000

 235.0846, 0.3185,

 0.0000, 0.0000,

0.4648

0.0000

283.8374, 0.3189,  
0.4558

■ 38.2996, 0.3003,  
0.5929

■ 38.2996, 0.3003,  
0.5929

■ 38.1447, 0.3000,  
0.5999

■ 38.6486, 0.3010,  
0.5781


■ 39.2466, 0.3020,  
0.5548


■ 40.1304, 0.3034,  
0.5247

■ 41.3296, 0.3051,  
0.4905

■ 42.8703, 0.3067,  
0.4548

 44.7757, 0.3084,  
0.4200

 47.0670, 0.3099,  
0.3875

 49.7639, 0.3113,  
0.3581

 52.8845, 0.3126,  
0.3322

# Harmonies

## Analogous

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



38.2996, 0.4169, 0.5519



38.2996, 0.3003, 0.5929



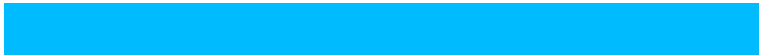
38.2996, 0.1921, 0.4869

# Triad

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



38.2996, 0.3003, 0.5929



38.2996, 0.1200, 0.1527



38.2996, 0.5390, 0.2897

# Complementary

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



38.2996, 0.3003, 0.5929



15.5707, 0.3211, 0.1573

# 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.



38.2996, 0.4122, 0.2199



38.2996, 0.3003, 0.5929



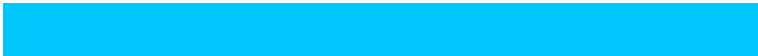
38.2996, 0.1713, 0.1456

# Square

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



38.2996, 0.3003, 0.5929



38.2996, 0.1046, 0.1998



38.2996, 0.2698, 0.1688



38.2996, 0.5742, 0.3673

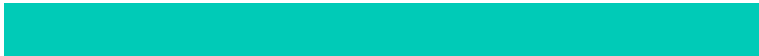


# Rectangle

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



38.2996, 0.3003, 0.5929



38.2996, 0.1412, 0.3665



38.2996, 0.2698, 0.1688



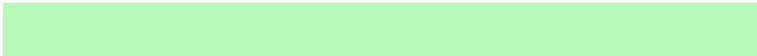
38.2996, 0.5043, 0.2653

# Sweetspot

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



38.3012, 0.3003, 0.5929



81.7053, 0.3090, 0.4069



49.5224, 0.4175, 0.5023



17.2405, 0.3085, 0.4184



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.



38.3012, 0.3003, 0.5929



68.3099, 0.3000, 0.5999



39.2780, 0.2701, 0.4856



11.2591, 0.3116, 0.3527



25.3681, 0.3000, 0.5999



1.0962, 0.2999, 0.5995



# Inverse Universe

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



15.5707, 0.3211, 0.1573



27.1792, 0.3213, 0.1544



12.7484, 0.4759, 0.2453



10.2473, 0.3138, 0.3063



10.0936, 0.3213, 0.1543

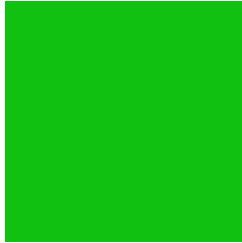


0.4362, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 38.2996, 0.3003, 0.5929 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 38.2996, 0.3003, 0.5929 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 38.2996, 0.3003, 0.5929**

## Background



This preview shows how black text looks on a background with the Yxy color 38.2996, 0.3003, 0.5929.



This preview shows how white text looks on a background with the Yxy color 38.2996, 0.3003, 0.5929.

# 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

38.2996, 0.3003, 0.5929

### Protanopia

37.3494, 0.4407, 0.4883

### Deuteranopia

37.5612, 0.4584, 0.4503



## Tritanopia

37.9291, 0.2364, 0.3057

# Trichromacy



## Original Color

38.2996, 0.3003, 0.5929



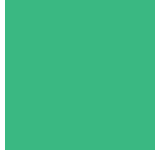
## Protanomaly

34.9582, 0.3682, 0.5436



## Deuteranomaly

34.2682, 0.3797, 0.5175



## Tritanomaly

36.7922, 0.2642, 0.4243

# Monochromacy



## Original Color

38.2996, 0.3003, 0.5929



## Achromatopsia

18.7821, 0.3127, 0.3290



## Achromatomaly

23.2858, 0.3057, 0.4600

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.2996, 0.3003, 0.5929 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(17, 193, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 193, 17)  
}
```

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(17, 193, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 193, 17) }
```

## Border

The CSS property to change the border of an element to Yxy 38.2996, 0.3003, 0.5929 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(17, 193, 17) }
```

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

```
.border{ border-color:rgb(17, 193, 17) }
```

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

Here you see how a box with a 4 pixel rgb(17, 193, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 193, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 193, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 193,  
17) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.2996, 0.3003, 0.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 193, 17) }
```

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

```
.background{ background-color: rgb(17, 193,  
17) }
```

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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