

# Converting Colors

$Y_{xy}(39.0500, 0.3065, 0.5923)$

Have a look what the booklet for  
Yxy(39.0500, 0.3065, 0.5923)  
contains.

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**Color**

**Yxy(39.0500, 0.3065, 0.5923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28C207
RGB	40, 194, 7
RGB Percent	16%, 76%, 3%
CMY	0.8428, 0.2392, 0.9726
CMYK	0.79, 0.00, 0.96, 0.24
HSL	109°, 93%, 39%
HSV	109°, 96%, 76%
XYZ	20.2074, 39.0500, 6.6721
YIQ	126.6360, -31.7570, -90.8050

# Conversions

## Conversions Part 2

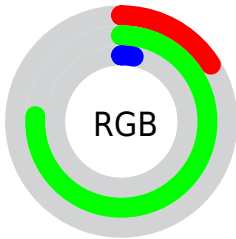
Format	Color
<a href="#">RYB</a>	<a href="#">7, 194, 161</a>
Decimal	<a href="#">2671111</a>
CIELab	<a href="#">68.79, -67.04, 67.34</a>
CIELCh	<a href="#">69, 95.021, 134.875</a>
Yxy	<a href="#">39.0500, 0.3065, 0.5923</a>
Android (android.graphics.Color)	<a href="#">4280861191</a> ( <a href="#">0xFF28C207</a> )
YUV	<a href="#">126.6360, -58.9805, -75.9798</a>
Hunter-Lab	<a href="#">62.4900, -51.6360, 37.4126</a>

# Details

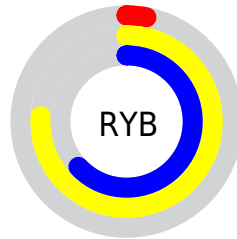
The Yxy color **39.0500, 0.3065, 0.5923** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.6124, 0.2780, 0.1318**, and the grayscale version is **21.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8597, 0.3166, 0.5392**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.9295, 0.3055, 0.5957**, and if you desaturate by 10%, it is **39.5020, 0.3099, 0.5798**.

# Distribution



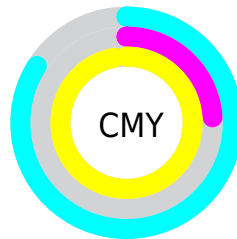
- Red (16%)
- Green (76%)
- Blue (3%)



- Red (3%)
- Yellow (76%)
- Blue (63%)



- Cyan (79%)
- Magenta (0%)
- Yellow (96%)
- Black (24%)




- Cyan (84%)
- Magenta (24%)
- Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0500, 0.3065, 0.5923 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 39.0500, 0.3065, 0.5923 by changing the saturation by 10% instead.





 39.0500, 0.3065,  
0.5923


 39.0500, 0.3065,  
0.5923


342.1030, 0.3225,  
0.4487


 26.7986, 0.2968,  
0.6285


 73.7147, 0.3163,  
0.5389

 17.4220, 0.2808,  
0.6733


 96.8968, 0.3187,  
0.5190

 10.5359, 0.2587,  
0.7413


 124.4913, 0.3203,  
0.5024

 5.7557, 0.2091,  
0.7909

 156.8825, 0.3212,  
0.4883

 2.6971, 0.1120,  
0.8880

 194.4549, 0.3219,  
0.4762

 0.9757, 0.0000,  
1.0000

 237.5929, 0.3222,

 0.0000, 0.0000,

0.4658

0.0000

286.6808, 0.3224,  
0.4567

■ 39.0500, 0.3065,  
0.5923

■ 39.0500, 0.3065,  
0.5923

■ 38.9295, 0.3055,  
0.5957

■ 39.5020, 0.3099,  
0.5798

■ 40.1573, 0.3130,  
0.5598

■ 41.0410, 0.3153,  
0.5331

■ 42.1725, 0.3167,  
0.5019

■ 43.5693, 0.3173,  
0.4683

■ 45.2470, 0.3172,  
0.4345

■ 47.2202, 0.3164,  
0.4021

■ 49.5023, 0.3152,  
0.3721

■ 52.1060, 0.3137,  
0.3449

# Harmonies

## Analogous

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



39.0500, 0.4225, 0.5469



39.0500, 0.3065, 0.5923



39.0500, 0.1974, 0.4943

# Triad

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



39.0500, 0.3065, 0.5923



39.0500, 0.1191, 0.1547



39.0500, 0.5333, 0.2864

# Complementary

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



39.0500, 0.3065, 0.5923



11.6124, 0.2780, 0.1318

# 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.



39.0500, 0.4043, 0.2173



39.0500, 0.3065, 0.5923



39.0500, 0.1683, 0.1459

# Square

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



39.0500, 0.3065, 0.5923



39.0500, 0.1054, 0.2043



39.0500, 0.2640, 0.1676



39.0500, 0.5737, 0.3635



# Rectangle

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



39.0500, 0.3065, 0.5923



39.0500, 0.1450, 0.3751



39.0500, 0.2640, 0.1676



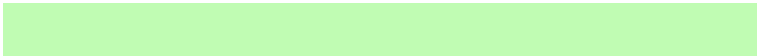
39.0500, 0.4972, 0.2621

# Sweetspot

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



39.0516, 0.3065, 0.5923



84.4006, 0.3167, 0.4118



36.5265, 0.4535, 0.4759



18.1435, 0.3170, 0.4260



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.



39.0516, 0.3065, 0.5923



70.4546, 0.3048, 0.5962



39.0243, 0.2867, 0.5494



11.3426, 0.3142, 0.3526



25.6207, 0.3061, 0.5952



1.1339, 0.3201, 0.5840



# Inverse Universe

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



11.6124, 0.2780, 0.1318



20.4322, 0.2756, 0.1292



13.3637, 0.4165, 0.2086



10.1544, 0.3110, 0.3061



7.4835, 0.2770, 0.1299

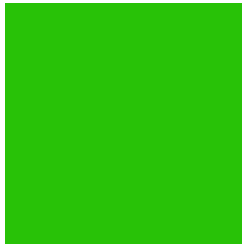


0.3475, 0.2873, 0.1357



# Previews

## White Background



This preview shows how the Yxy color 39.0500, 0.3065, 0.5923 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 39.0500, 0.3065, 0.5923 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 39.0500, 0.3065, 0.5923**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.0500, 0.3065, 0.5923.



This preview shows how white text looks on a background with the Yxy color 39.0500, 0.3065, 0.5923.

# 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

39.0500, 0.3065, 0.5923

### Protanopia

38.3288, 0.4404, 0.4885

### Deuteranopia

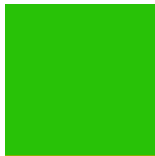
38.1762, 0.4602, 0.4511



## Tritanopia

38.7065, 0.2395, 0.3060

# Trichromacy



## Original Color

39.0500, 0.3065, 0.5923



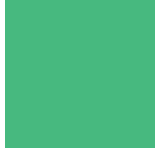
## Protanomaly

36.5192, 0.3767, 0.5380



## Deuteranomaly

35.5104, 0.3907, 0.5139



## Tritanomaly

37.5698, 0.2720, 0.4297

# Monochromacy



## Original Color

39.0500, 0.3065, 0.5923



## Achromatopsia

21.2231, 0.3127, 0.3290



## Achromatomaly

25.1906, 0.3173, 0.4608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0500, 0.3065, 0.5923 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(40, 194, 7)` looks like.

```
.text, #text, p{  
    color:rgb(40, 194, 7)  
}
```

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(40, 194, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 194, 7) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0500, 0.3065, 0.5923 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(40, 194, 7) }
```

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

```
.border{ border-color:rgb(40, 194, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 194, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 194, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 194, 7);  
box-shadow:4px 4px 4px 4px rgb(40, 194, 7)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 39.0500, 0.3065, 0.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 194, 7) }
```

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

```
.background{ background-color: rgb(40, 194,  
7) }
```

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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