

# Converting Colors

Yxy(53.1627, 0.3115, 0.5909)

Have a look what the booklet for  
Yxy(53.1627, 0.3115, 0.5909)  
contains.

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# Color

**Yxy(53.2347, 0.3114, 0.5910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DDE00
RGB	61, 222, 0
RGB Percent	24%, 87%, 0%
CMY	0.7604, 0.1294, 1.0000
CMYK	0.72, 0.00, 1.00, 0.13
HSL	103°, 100%, 44%
HSV	103°, 100%, 87%
XYZ	28.0496, 53.2347, 8.7914
YIQ	148.5530, -24.6940, -103.1740

# Conversions

## Conversions Part 2

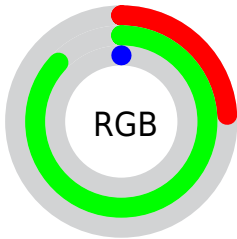
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 222, 161
Decimal	4054528
CIELab	78.01, -72.34, 75.65
CIELCh	78, 104.671, 133.720
Yxy	53.2347, 0.3114, 0.5910
Android (android.graphics.Color)	4282244608 (0xFF3DDE00)
YUV	148.5530, -73.2366, -76.7840
Hunter-Lab	72.9621, -59.0612, 43.9295

# Details

The Yxy color **53.2347, 0.3114, 0.5910** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **12.8403, 0.2514, 0.1159**, and the grayscale version is **30.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1784, 0.3238, 0.5304**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.2373, 0.3114, 0.5910**, and if you desaturate by 10%, it is **53.8864, 0.3160, 0.5803**.

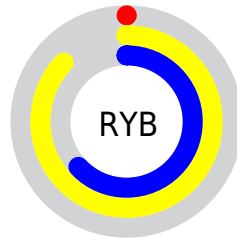
# Distribution



Red (24%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (63%)

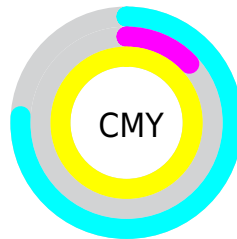


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (76%)

Magenta (13%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2347, 0.3114, 0.5910 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 53.2347, 0.3114, 0.5910 by changing the saturation by 10% instead.





 53.2347, 0.3114,  
0.5910


 53.2347, 0.3114,  
0.5910


 399.1849, 0.3251,  
0.4557


 37.9902, 0.3033,  
0.6227


 94.9496, 0.3199,  
0.5426


 25.9751, 0.2904,  
0.6610


 122.1888, 0.3220,  
0.5240


 16.8050, 0.2705,  
0.7085


 154.1950, 0.3234,  
0.5083

 10.0955, 0.2374,  
0.7626

 191.3526, 0.3242,  
0.4947

 5.4624, 0.1837,  
0.8163

 234.0460, 0.3247,  
0.4830

 2.5210, 0.0488,  
0.9512

 282.6596, 0.3250,

 0.8871, 0.0000,

0.4727

1.0000

337.5778, 0.3251,  
0.4637

■ 0.0000, 0.0000,  
0.0000

■ 53.2347, 0.3114,  
0.5910

■ 53.2347, 0.3114,  
0.5910

■ 53.2373, 0.3114,  
0.5910

■ 53.8864, 0.3160,  
0.5803

■ 54.7687, 0.3201,  
0.5632

■ 55.9172, 0.3229,  
0.5394

■ 57.3546, 0.3243,  
0.5105

■ 59.1007, 0.3244,  
0.4785

■ 61.1736, 0.3234,  
0.4455

■ 63.5896, 0.3214,  
0.4132

■ 66.3642, 0.3188,  
0.3826

■ 69.5115, 0.3159,  
0.3544

# Harmonies

## Analogous

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



53.2347, 0.4267, 0.5427



53.2347, 0.3114, 0.5910



53.2347, 0.2019, 0.4994

# Triad

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



53.2347, 0.3114, 0.5910



53.2347, 0.1188, 0.1566



53.2347, 0.5283, 0.2839

# Complementary

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



53.2347, 0.3114, 0.5910



12.8403, 0.2514, 0.1159

# 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.



53.2347, 0.3980, 0.2155



53.2347, 0.3114, 0.5910



53.2347, 0.1664, 0.1464

# Square

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



53.2347, 0.3114, 0.5910



53.2347, 0.1064, 0.2081



53.2347, 0.2597, 0.1669



53.2347, 0.5727, 0.3606



# Rectangle

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



53.2347, 0.3114, 0.5910



53.2347, 0.1483, 0.3817



53.2347, 0.2597, 0.1669



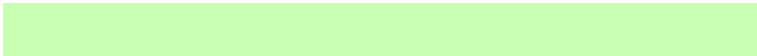
53.2347, 0.4914, 0.2598

# Sweetspot

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



53.2373, 0.3114, 0.5910



86.9727, 0.3215, 0.4139



40.3598, 0.4810, 0.4563



18.3034, 0.3224, 0.4275



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.



53.2373, 0.3114, 0.5910



72.8289, 0.3110, 0.5913



52.4562, 0.2941, 0.5787



15.5189, 0.3157, 0.3529



31.6699, 0.3123, 0.5903



2.2390, 0.3236, 0.5813



# Inverse Universe

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



12.8403, 0.2514, 0.1159



17.5114, 0.2509, 0.1156



18.5815, 0.3855, 0.1898



13.7361, 0.3094, 0.3056



7.6849, 0.2525, 0.1164

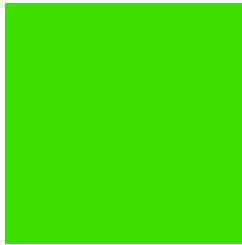


0.5765, 0.2634, 0.1225



# Previews

## White Background



This preview shows how the Yxy color 53.2347, 0.3114, 0.5910 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 53.2347, 0.3114, 0.5910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

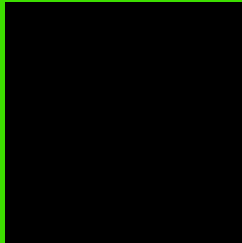
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

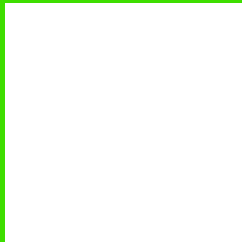
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.2347, 0.3114, 0.5910**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2347, 0.3114, 0.5910.



This preview shows how white text looks on a background with the Yxy color 53.2347, 0.3114, 0.5910.

# 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

53.2347, 0.3114, 0.5910

### Protanopia

52.2982, 0.4405, 0.4884

### Deuteranopia

51.7782, 0.4621, 0.4517



## Tritanopia

52.6585, 0.2417, 0.3061

# Trichromacy



## Original Color

53.2347, 0.3114, 0.5910



## Protanomaly

50.1855, 0.3821, 0.5348



## Deuteranomaly

48.6876, 0.3964, 0.5126



## Tritanomaly

51.2641, 0.2780, 0.4353

# Monochromacy



## Original Color

53.2347, 0.3114, 0.5910



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

35.6588, 0.3238, 0.4632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2347, 0.3114, 0.5910 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(61, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 222, 0)  
}
```

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(61, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 222, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2347, 0.3114, 0.5910 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(61, 222, 0) }
```

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

```
.border{ border-color:rgb(61, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 222, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 53.2347, 0.3114, 0.5910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 222, 0) }
```

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

```
.background{ background-color: rgb(61, 222,  
0) }
```

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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