

# Converting Colors

Yxy(53.3428, 0.3402, 0.5631)

Have a look what the booklet for  
Yxy(53.3428, 0.3402, 0.5631)  
contains.

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**Color**

**Yxy(53.4513, 0.3399, 0.5632)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75D912
RGB	117, 217, 18
RGB Percent	46%, 85%, 7%
CMY	0.5412, 0.1490, 0.9287
CMYK	0.46, 0.00, 0.92, 0.15
HSL	90°, 85%, 46%
HSV	90°, 92%, 85%
XYZ	32.2587, 53.4513, 9.1964
YIQ	164.4140, 4.2790, -83.0890

# Conversions

## Conversions Part 2

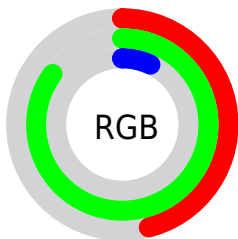
Format	Color
<a href="#">RYB</a>	<a href="#">18, 217, 118</a>
Decimal	<a href="#">7723282</a>
CIELab	<a href="#">78.14, -57.01, 74.56</a>
CIELCh	<a href="#">78, 93.858, 127.401</a>
Yxy	<a href="#">53.4513, 0.3399, 0.5632</a>
Android (android.graphics.Color)	<a href="#">4285913362 (0xFF75D912)</a>
YUV	<a href="#">164.4140, -72.1821, -41.5821</a>
Hunter-Lab	<a href="#">73.1104, -49.1832, 43.7193</a>

# Details

The Yxy color **53.4513, 0.3399, 0.5632** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **9.3140, 0.2110, 0.0971**, and the grayscale version is **37.6924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6053, 0.3487, 0.5106**, and **26.2198, 0.3168, 0.5866** is the 20% darker color. If you saturate the color by 10%, you get **52.8063, 0.3355, 0.5718**, and if you desaturate by 10%, it is **54.3625, 0.3438, 0.5483**.

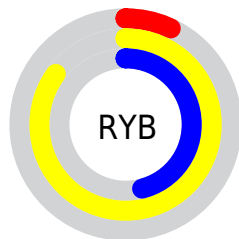
# Distribution



Red (46%)

Green (85%)

Blue (7%)



Red (7%)

Yellow (85%)

Blue (46%)

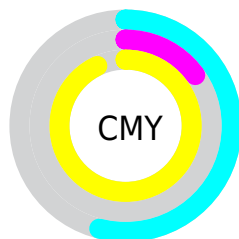


Cyan (46%)

Magenta (0%)

Yellow (92%)

Black (15%)



Cyan (54%)

Magenta (15%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4513, 0.3399, 0.5632 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 53.4513, 0.3399, 0.5632 by changing the saturation by 10% instead.





 53.4513, 0.3399,  
0.5632

 53.4513, 0.3399,  
0.5632


400.0142, 0.3381,  
0.4449


 38.1632, 0.3359,  
0.5903


 95.2681, 0.3425,  
0.5214


 26.1093, 0.3283,  
0.6227


 122.5656, 0.3425,  
0.5053


 16.9055, 0.3148,  
0.6621


 154.6350, 0.3421,  
0.4914

 10.1671, 0.2909,  
0.7091

 191.8606, 0.3414,  
0.4795

 5.5099, 0.2462,  
0.7538

 234.6270, 0.3407,  
0.4691

 2.5494, 0.1686,  
0.8314

 283.3185, 0.3398,

 0.9013, 0.0000,

0.4600

1.0000

338.3194, 0.3390,  
0.4520

■ 0.0000, 0.0000,  
0.0000

■ 53.4513, 0.3399,  
0.5632

■ 53.4513, 0.3399,  
0.5632

■ 52.8063, 0.3355,  
0.5718

■ 54.3625, 0.3438,  
0.5483

■ 55.4451, 0.3455,  
0.5279

■ 56.7164, 0.3451,  
0.5029

■ 58.1890, 0.3426,  
0.4748

■ 59.8745, 0.3385,  
0.4450

■ 61.7830, 0.3332,  
0.4150

■ 63.9242, 0.3270,  
0.3859

■ 66.3070, 0.3205,  
0.3584

■ 68.9398, 0.3138,  
0.3329

# Harmonies

## Analogous

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



53.4513, 0.4446, 0.5122



53.4513, 0.3399, 0.5632



53.4513, 0.2341, 0.5064

# Triad

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



53.4513, 0.3399, 0.5632



53.4513, 0.1273, 0.1770



53.4513, 0.4866, 0.2755

# Complementary

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



53.4513, 0.3399, 0.5632



9.3140, 0.2110, 0.0971

# 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.



53.4513, 0.3625, 0.2134



53.4513, 0.3399, 0.5632



53.4513, 0.1653, 0.1593

# Square

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



53.4513, 0.3399, 0.5632



53.4513, 0.1230, 0.2379



53.4513, 0.2433, 0.1726



53.4513, 0.5486, 0.3480



# Rectangle

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



53.4513, 0.3399, 0.5632



53.4513, 0.1773, 0.4103



53.4513, 0.2433, 0.1726



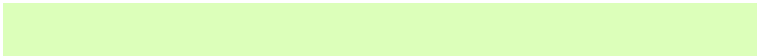
53.4513, 0.4489, 0.2532

# Sweetspot

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



53.4536, 0.3399, 0.5632



90.3445, 0.3305, 0.4021



27.6584, 0.5257, 0.4135



19.1158, 0.3326, 0.4123



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.



53.4536, 0.3399, 0.5632



76.0112, 0.3349, 0.5723



49.8025, 0.3003, 0.5940



14.9224, 0.3190, 0.3526



32.0276, 0.3365, 0.5710



2.1261, 0.3489, 0.5611



# Inverse Universe

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



9.3140, 0.2110, 0.0971



11.8303, 0.2010, 0.0881



20.2010, 0.3208, 0.1567



12.9374, 0.3059, 0.3054



5.0697, 0.2034, 0.0894

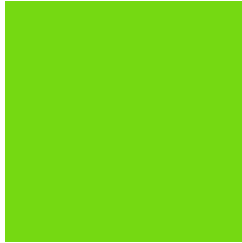


0.3797, 0.2211, 0.0991



# Previews

## White Background



This preview shows how the Yxy color 53.4513, 0.3399, 0.5632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

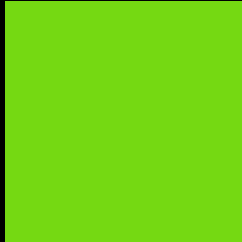
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4513, 0.3399, 0.5632 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 53.4513, 0.3399, 0.5632**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4513, 0.3399, 0.5632.



This preview shows how white text looks on a background with the Yxy color 53.4513, 0.3399, 0.5632.

# 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

53.4513, 0.3399, 0.5632

### Protanopia

52.4510, 0.4414, 0.4877

### Deuteranopia

52.3619, 0.4619, 0.4520



## Tritanopia

53.2323, 0.2621, 0.3082

# Trichromacy



## Original Color

53.4513, 0.3399, 0.5632



## Protanomaly

51.6124, 0.4012, 0.5179



## Deuteranomaly

50.8995, 0.4144, 0.4949



## Tritanomaly

51.7383, 0.3009, 0.4179

# Monochromacy



## Original Color

53.4513, 0.3399, 0.5632



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

41.2177, 0.3373, 0.4368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4513, 0.3399, 0.5632 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(117, 217, 18)` looks like.

```
.text, #text, p{  
    color:rgb(117, 217, 18)  
}
```

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(117, 217, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 217, 18) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4513, 0.3399, 0.5632 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(117, 217, 18) }
```

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

```
.border{ border-color:rgb(117, 217, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 217, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 217, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 217, 18);  
box-shadow:4px 4px 4px 4px rgb(117, 217,  
18) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4513, 0.3399, 0.5632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 217, 18) }
```

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

```
.background{ background-color: rgb(117,  
217, 18) }
```

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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