

# Converting Colors

$Y_{xy}(52.2901, 0.3316, 0.5749)$

Have a look what the booklet for  
Yxy(52.2901, 0.3316, 0.5749)  
contains.

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**Color**

**Yxy(52.3924, 0.3313, 0.5751)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	65D900
RGB	101, 217, 0
RGB Percent	40%, 85%, 0%
CMY	0.6039, 0.1490, 0.9992
CMYK	0.53, 0.00, 1.00, 0.15
HSL	92°, 100%, 43%
HSV	92°, 100%, 85%
XYZ	30.1819, 52.3924, 8.5271
YIQ	157.5780, 0.5210, -92.0790

# Conversions

## Conversions Part 2

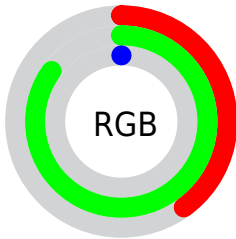
Format	Color
<b>RYB</b>	0, 217, 116
Decimal	6674688
CIELab	77.51, -61.96, 75.66
CIELCh	78, 97.798, 129.314
Yxy	52.3924, 0.3313, 0.5751
Android (android.graphics.Color)	4284864768 (0xFF65D900)
YUV	157.5780, -77.6860, -49.6189
Hunter-Lab	72.3826, -52.2391, 43.6831

# Details

The Yxy color **52.3924, 0.3313, 0.5751** 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 **8.7403, 0.2084, 0.0922**, and the grayscale version is **34.3627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9624, 0.3415, 0.5202**, and **25.6603, 0.3041, 0.5968** is the 20% darker color. If you saturate the color by 10%, you get **52.3879, 0.3312, 0.5752**, and if you desaturate by 10%, it is **53.1700, 0.3366, 0.5642**.

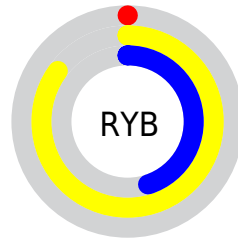
# Distribution



Red (40%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (45%)

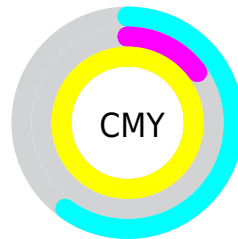


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (60%)

Magenta (15%)

Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3924, 0.3313, 0.5751 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 52.3924, 0.3313, 0.5751 by changing the saturation by 10% instead.





 52.3924, 0.3313,  
0.5751


 52.3924, 0.3313,  
0.5751


 395.9496, 0.3346,  
0.4497


 37.3179, 0.3257,  
0.6040


 93.7097, 0.3360,  
0.5307


 25.4538, 0.3160,  
0.6385


 120.7213, 0.3367,  
0.5135


 16.4154, 0.3001,  
0.6818


 152.4808, 0.3369,  
0.4988

 9.8186, 0.2711,  
0.7289


 189.3725, 0.3367,  
0.4862

 5.2789, 0.2220,  
0.7780

 231.7808, 0.3363,  
0.4752

 2.4118, 0.1205,  
0.8795

 280.0902, 0.3358,


 0.8319, 0.0000,

0.4656


1.0000


334.6850, 0.3352,  
0.4572


 0.0000, 0.0000,  
0.0000


 52.3924, 0.3313,  
0.5751


 52.3924, 0.3313,  
0.5751


 52.3879, 0.3312,  
0.5752

 53.1700, 0.3366,  
0.5642

 54.1081, 0.3404,  
0.5480

 55.2330, 0.3421,  
0.5263

 56.5599, 0.3417,  
0.5001

 58.1018, 0.3394,  
0.4710

■ 59.8704, 0.3355,  
0.4406

■ 61.8765, 0.3306,  
0.4103

■ 64.1300, 0.3249,  
0.3812

■ 66.6402, 0.3188,  
0.3539

# Harmonies

## Analogous

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



52.3924, 0.4405, 0.5227



52.3924, 0.3313, 0.5751



52.3924, 0.2232, 0.5083

# Triad

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



52.3924, 0.3313, 0.5751



52.3924, 0.1227, 0.1689



52.3924, 0.5015, 0.2771

# Complementary

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



52.3924, 0.3313, 0.5751



8.7403, 0.2084, 0.0922

# 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.



52.3924, 0.3732, 0.2125



52.3924, 0.3313, 0.5751



52.3924, 0.1638, 0.1535

# Square

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



52.3924, 0.3313, 0.5751



52.3924, 0.1158, 0.2274



52.3924, 0.2468, 0.1691



52.3924, 0.5594, 0.3513



# Rectangle

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



52.3924, 0.3313, 0.5751



52.3924, 0.1666, 0.4035



52.3924, 0.2468, 0.1691



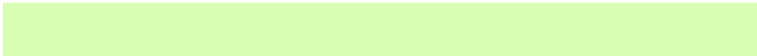
52.3924, 0.4633, 0.2540

# Sweetspot

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



52.3946, 0.3313, 0.5751



89.0616, 0.3308, 0.4114



27.2040, 0.5322, 0.4155



18.7916, 0.3330, 0.4243



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.



52.3946, 0.3313, 0.5751



75.4121, 0.3306, 0.5757



49.6441, 0.2995, 0.5982



14.9015, 0.3185, 0.3527



31.7739, 0.3323, 0.5744



2.1094, 0.3450, 0.5643



# Inverse Universe

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



8.7403, 0.2084, 0.0922



12.4897, 0.2074, 0.0916



19.3983, 0.3295, 0.1589



12.9584, 0.3064, 0.3054



5.3477, 0.2098, 0.0929

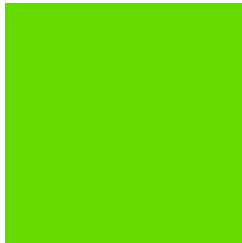


0.3975, 0.2269, 0.1024



# Previews

## White Background



This preview shows how the Yxy color 52.3924, 0.3313, 0.5751 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 52.3924, 0.3313, 0.5751 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

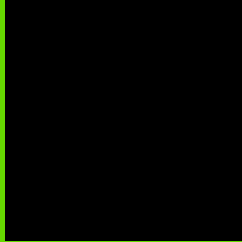
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

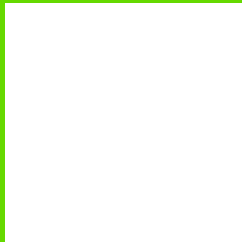
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.3924, 0.3313, 0.5751**

## Background



This preview shows how black text looks on a background with the Yxy color 52.3924, 0.3313, 0.5751.



This preview shows how white text looks on a background with the Yxy color 52.3924, 0.3313, 0.5751.

# 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

52.3924, 0.3313, 0.5751

### Protanopia

51.7087, 0.4406, 0.4883

### Deuteranopia

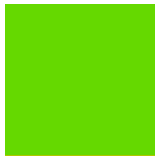
51.1827, 0.4629, 0.4522



## Tritanopia

52.2085, 0.2552, 0.3078

# Trichromacy



## Original Color

52.3924, 0.3313, 0.5751



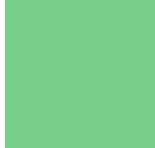
## Protanomaly

50.3072, 0.3965, 0.5234



## Deuteranomaly

49.0475, 0.4117, 0.5013



## Tritanomaly

50.5547, 0.2960, 0.4293

# Monochromacy



## Original Color

52.3924, 0.3313, 0.5751



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

38.4981, 0.3366, 0.4502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3924, 0.3313, 0.5751 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(101, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 217, 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(101, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 217, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3924, 0.3313, 0.5751 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(101, 217, 0) }
```

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

```
.border{ border-color:rgb(101, 217, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 217,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3924, 0.3313, 0.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 217, 0) }
```

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

```
.background{ background-color: rgb(101,  
217, 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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