

# Converting Colors

$Yxy(53.3606, 0.3673, 0.5351)$

Have a look what the booklet for  
Yxy(53.3606, 0.3673, 0.5351)  
contains.

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**Color**

**Yxy(53.4651, 0.3673, 0.5351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D320
RGB	153, 211, 32
RGB Percent	60%, 83%, 13%
CMY	0.3998, 0.1726, 0.8745
CMYK	0.27, 0.00, 0.85, 0.17
HSL	79°, 74%, 48%
HSV	79°, 85%, 83%
XYZ	36.6992, 53.4651, 9.7518
YIQ	173.2520, 22.8910, -67.9650

# Conversions

## Conversions Part 2

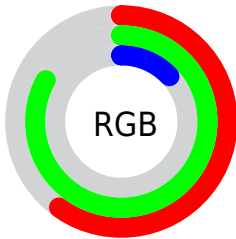
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 211, 90
Decimal	10081056
CIELab	78.15, -41.72, 72.84
CIELCh	78, 83.946, 119.803
Yxy	53.4651, 0.3673, 0.5351
Android (android.graphics.Color)	4288271136 (0xFF99D320)
YUV	173.2520, -69.6372, -17.7610
Hunter-Lab	73.1198, -38.3697, 43.2765

# Details

The Yxy color **53.4651, 0.3673, 0.5351** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7.9074, 0.1902, 0.0912**, and the grayscale version is **42.2853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3801, 0.3697, 0.4908**, and **26.2637, 0.3543, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **52.7411, 0.3648, 0.5458**, and if you desaturate by 10%, it is **54.3053, 0.3674, 0.5194**.

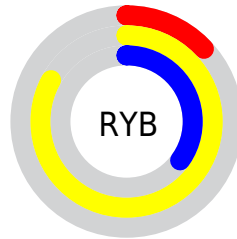
# Distribution



Red (60%)

Green (83%)

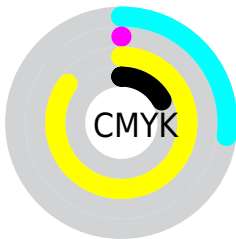
Blue (13%)



Red (13%)

Yellow (83%)

Blue (35%)

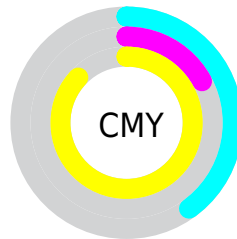


Cyan (27%)

Magenta (0%)

Yellow (85%)

Black (17%)



Cyan (40%)

Magenta (17%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4651, 0.3673, 0.5351 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 53.4651, 0.3673, 0.5351 by changing the saturation by 10% instead.





 53.4651, 0.3673,  
0.5351


 53.4651, 0.3673,  
0.5351


400.0670, 0.3505,  
0.4336


 38.1742, 0.3674,  
0.5577


 95.2884, 0.3642,  
0.4998


 26.1179, 0.3650,  
0.5843


 122.5896, 0.3621,  
0.4860


 16.9119, 0.3583,  
0.6158


 154.6630, 0.3599,  
0.4741

 10.1717, 0.3449,  
0.6551

 191.8930, 0.3578,  
0.4638

 5.5129, 0.3115,  
0.6885

 234.6640, 0.3558,  
0.4548

 2.5512, 0.2591,  
0.7409

 283.3604, 0.3539,

 0.9022, 0.0000,

0.4468

1.0000

338.3666, 0.3521,  
0.4398

■ 0.0000, 0.0000,  
0.0000

■ 53.4651, 0.3673,  
0.5351

■ 53.4651, 0.3673,  
0.5351

■ 52.7411, 0.3648,  
0.5458

■ 54.3053, 0.3674,  
0.5194

■ 52.3978, 0.3629,  
0.5501

■ 55.2672, 0.3650,  
0.4991

■ 56.3639, 0.3602,  
0.4752

■ 57.6044, 0.3535,  
0.4488

■ 58.9970, 0.3454,  
0.4212

■ 60.5491, 0.3364,  
0.3934

■ 62.2677, 0.3269,  
0.3664

■ 64.1593, 0.3173,  
0.3408

■ 66.2298, 0.3079,  
0.3169

# Harmonies

## Analogous

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



53.4651, 0.4590, 0.4819



53.4651, 0.3673, 0.5351



53.4651, 0.2676, 0.5083

# Triad

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



53.4651, 0.3673, 0.5351



53.4651, 0.1372, 0.2007



53.4651, 0.4437, 0.2656

# Complementary

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



53.4651, 0.3673, 0.5351



7.9074, 0.1902, 0.0912

# 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.



53.4651, 0.3288, 0.2112



53.4651, 0.3673, 0.5351



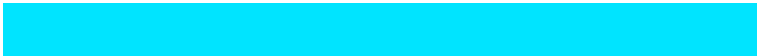
53.4651, 0.1649, 0.1739

# Square

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



53.4651, 0.3673, 0.5351



53.4651, 0.1424, 0.2712



53.4651, 0.2282, 0.1790



53.4651, 0.5188, 0.3326



# Rectangle

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



53.4651, 0.3673, 0.5351



53.4651, 0.2091, 0.4355



53.4651, 0.2282, 0.1790



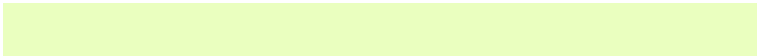
53.4651, 0.4068, 0.2455

# Sweetspot

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



53.4675, 0.3673, 0.5351



92.8465, 0.3368, 0.3946



21.0451, 0.5523, 0.3790



19.6865, 0.3401, 0.4045



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.



53.4675, 0.3673, 0.5351



80.3417, 0.3623, 0.5505



47.8078, 0.3108, 0.5776



13.5978, 0.3217, 0.3523



31.6813, 0.3637, 0.5494



1.8132, 0.3742, 0.5411



# Inverse Universe

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



7.9074, 0.1902, 0.0912



9.0386, 0.1715, 0.0718



15.2226, 0.2818, 0.1399



11.6008, 0.3032, 0.3053



3.6360, 0.1738, 0.0731



0.2459, 0.1945, 0.0845



# Previews

## White Background



This preview shows how the Yxy color 53.4651, 0.3673, 0.5351 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 53.4651, 0.3673, 0.5351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

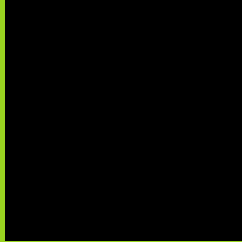
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.4651, 0.3673, 0.5351**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4651, 0.3673, 0.5351.



This preview shows how white text looks on a background with the Yxy color 53.4651, 0.3673, 0.5351.

# 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

53.4651, 0.3673, 0.5351

### Protanopia

52.9708, 0.4369, 0.4833

### Deuteranopia

52.9745, 0.4607, 0.4509



## Tritanopia

53.0040, 0.2834, 0.3089

# Trichromacy



## Original Color

53.4651, 0.3673, 0.5351

## Protanomaly

52.8666, 0.4104, 0.5031

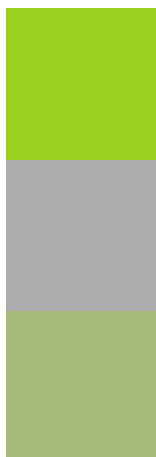
## Deuteranomaly

52.0160, 0.4267, 0.4816

## Tritanomaly

51.8792, 0.3231, 0.4023

# Monochromacy



## Original Color

53.4651, 0.3673, 0.5351

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

45.0528, 0.3452, 0.4202

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4651, 0.3673, 0.5351 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(153, 211, 32)` looks like.

```
.text, #text, p{  
    color:rgb(153, 211, 32)  
}
```

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(153, 211, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 211, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4651, 0.3673, 0.5351 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(153, 211, 32) }
```

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

```
.border{ border-color:rgb(153, 211, 32) }
```

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

Here you see how a box with a 4 pixel rgb(153, 211, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 211, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 211, 32);  
box-shadow:4px 4px 4px 4px rgb(153, 211,  
32) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4651, 0.3673, 0.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 211, 32) }
```

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

```
.background{ background-color: rgb(153,  
211, 32) }
```

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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