

# Converting Colors

$Yxy(55.0773, 0.3668, 0.5406)$

Have a look what the booklet for  
Yxy(55.0773, 0.3668, 0.5406)  
contains.

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**Color**

**Yxy(54.9234, 0.3672, 0.5403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D616
RGB	153, 214, 22
RGB Percent	60%, 84%, 9%
CMY	0.4001, 0.1608, 0.9129
CMYK	0.29, 0.00, 0.90, 0.16
HSL	79°, 81%, 46%
HSV	79°, 90%, 84%
XYZ	37.3272, 54.9234, 9.4030
YIQ	173.8730, 25.2760, -72.6440

# Conversions

## Conversions Part 2

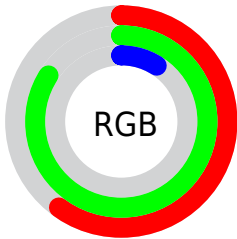
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 214, 83
Decimal	10081814
CIE Lab	79.00, -43.31, 75.39
CIE LCh	79, 86.943, 119.881
Yxy	54.9234, 0.3672, 0.5403
Android (android.graphics.Color)	4288271894 (0xFF99D616)
YUV	173.8730, -74.8734, -18.3056
Hunter-Lab	74.1103, -39.7879, 44.3546

# Details

The Yxy color **54.9234, 0.3672, 0.5403** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **7.2872, 0.1831, 0.0833**, and the grayscale version is **42.6525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2898, 0.3716, 0.4945**, and **27.2292, 0.3515, 0.5591** is the 20% darker color. If you saturate the color by 10%, you get **54.2251, 0.3639, 0.5491**, and if you desaturate by 10%, it is **55.7276, 0.3684, 0.5271**.

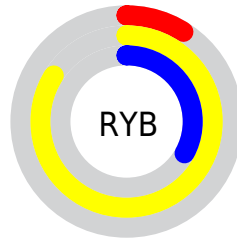
# Distribution



Red (60%)

Green (84%)

Blue (9%)



Red (9%)

Yellow (84%)

Blue (33%)

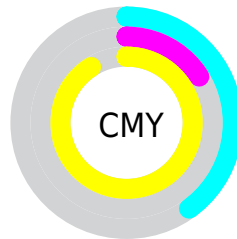


Cyan (29%)

Magenta (0%)

Yellow (90%)

Black (16%)



Cyan (40%)

Magenta (16%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9234, 0.3672, 0.5403 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 54.9234, 0.3672, 0.5403 by changing the saturation by 10% instead.





 54.9234, 0.3672,  
0.5403


 54.9234, 0.3672,  
0.5403


405.6215, 0.3512,  
0.4369

 39.3404, 0.3669,  
0.5630

 97.4287, 0.3646,  
0.5046

 27.0246, 0.3639,  
0.5895


 125.1198, 0.3626,  
0.4906

 17.5917, 0.3566,  
0.6210

 157.6157, 0.3606,  
0.4784

 10.6573, 0.3416,  
0.6584

 195.3009, 0.3585,  
0.4679

 5.8369, 0.3081,  
0.6919

 238.5596, 0.3565,  
0.4587

 2.7461, 0.2561,  
0.7439

 287.7764, 0.3547,

 1.0007, 0.0000,

0.4505

1.0000

343.3355, 0.3529,  
0.4433

■ 0.0000, 0.0000,  
0.0000

■ 54.9234, 0.3672,  
0.5403

■ 54.9234, 0.3672,  
0.5403

■ 54.2251, 0.3639,  
0.5491

■ 55.7276, 0.3684,  
0.5271

■ 54.1997, 0.3638,  
0.5494

■ 56.6504, 0.3671,  
0.5090

■ 57.7061, 0.3633,  
0.4868

■ 58.9049, 0.3574,  
0.4615

■ 60.2556, 0.3499,  
0.4344

■ 61.7663, 0.3411,  
0.4067

■ 63.4444, 0.3317,  
0.3792

■ 65.2967, 0.3220,  
0.3529

■ 67.3296, 0.3124,  
0.3281

# Harmonies

## Analogous

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



54.9234, 0.4611, 0.4845



54.9234, 0.3672, 0.5403



54.9234, 0.2656, 0.5136

# Triad

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



54.9234, 0.3672, 0.5403



54.9234, 0.1340, 0.1976



54.9234, 0.4473, 0.2641

# Complementary

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



54.9234, 0.3672, 0.5403



7.2872, 0.1831, 0.0833

# 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.



54.9234, 0.3292, 0.2089



54.9234, 0.3672, 0.5403



54.9234, 0.1621, 0.1708

# Square

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



54.9234, 0.3672, 0.5403



54.9234, 0.1389, 0.2690



54.9234, 0.2264, 0.1762



54.9234, 0.5240, 0.3321



# Rectangle

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



54.9234, 0.3672, 0.5403



54.9234, 0.2061, 0.4382



54.9234, 0.2264, 0.1762



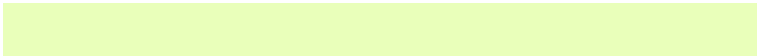
54.9234, 0.4094, 0.2438

# Sweetspot

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



54.9258, 0.3672, 0.5403



92.4109, 0.3389, 0.4002



20.5343, 0.5672, 0.3761



19.6037, 0.3421, 0.4097



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.



54.9258, 0.3672, 0.5403



80.5030, 0.3632, 0.5498



49.0363, 0.3091, 0.5851



14.3127, 0.3218, 0.3524



32.8157, 0.3646, 0.5487



2.0227, 0.3743, 0.5410



# Inverse Universe

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



7.2872, 0.1831, 0.0833



8.9754, 0.1708, 0.0714



15.0025, 0.2795, 0.1353



12.1985, 0.3031, 0.3052



3.7289, 0.1730, 0.0727



0.2687, 0.1922, 0.0833



# Previews

## White Background



This preview shows how the Yxy color 54.9234, 0.3672, 0.5403 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 54.9234, 0.3672, 0.5403 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 54.9234, 0.3672, 0.5403**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9234, 0.3672, 0.5403.



This preview shows how white text looks on a background with the Yxy color 54.9234, 0.3672, 0.5403.

# 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

54.9234, 0.3672, 0.5403

### Protanopia

54.2776, 0.4397, 0.4860

### Deuteranopia

54.2999, 0.4630, 0.4532



## Tritanopia

54.6374, 0.2824, 0.3091

# Trichromacy



## Original Color

54.9234, 0.3672, 0.5403

## Protanomaly

54.0173, 0.4125, 0.5065

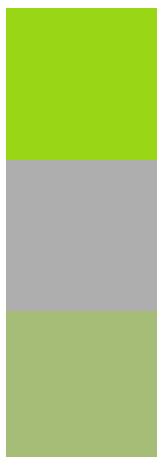
## Deuteranomaly

53.6105, 0.4276, 0.4854

## Tritanomaly

53.3371, 0.3248, 0.4084

# Monochromacy



## Original Color

54.9234, 0.3672, 0.5403

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

45.8341, 0.3468, 0.4267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9234, 0.3672, 0.5403 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, 214, 22)` looks like.

```
.text, #text, p{  
    color:rgb(153, 214, 22)  
}
```

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, 214, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 214, 22) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9234, 0.3672, 0.5403 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, 214, 22) }
```

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

```
.border{ border-color:rgb(153, 214, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 214, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 214, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 214, 22);  
box-shadow:4px 4px 4px 4px rgb(153, 214,  
22) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9234, 0.3672, 0.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 214, 22) }
```

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

```
.background{ background-color: rgb(153,  
214, 22) }
```

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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