

# Converting Colors

Yxy(54.6176, 0.3713, 0.5410)

Have a look what the booklet for  
Yxy(54.6176, 0.3713, 0.5410)  
contains.

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**Color**

**Yxy(54.6783, 0.3715, 0.5408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CD50A
RGB	156, 213, 10
RGB Percent	61%, 84%, 4%
CMY	0.3882, 0.1647, 0.9599
CMYK	0.27, 0.00, 0.95, 0.16
HSL	77°, 91%, 44%
HSV	77°, 95%, 84%
XYZ	37.5610, 54.6783, 8.8670
YIQ	172.8150, 31.1910, -75.2170

# Conversions

## Conversions Part 2

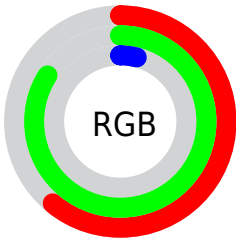
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 213, 67
Decimal	10278154
CIELab	78.86, -41.94, 76.85
CIELCh	79, 87.554, 118.623
Yxy	54.6783, 0.3715, 0.5408
Android (android.graphics.Color)	4288468234 (0xFF9CD50A)
YUV	172.8150, -80.2678, -14.7468
Hunter-Lab	73.9448, -38.7325, 44.6516

# Details

The Yxy color **54.6783, 0.3715, 0.5408** 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 **6.2271, 0.1719, 0.0741**, and the grayscale version is **42.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6717, 0.3751, 0.4960**, and **27.0504, 0.3550, 0.5563** is the 20% darker color. If you saturate the color by 10%, you get **54.3751, 0.3700, 0.5444**, and if you desaturate by 10%, it is **55.3722, 0.3735, 0.5310**.

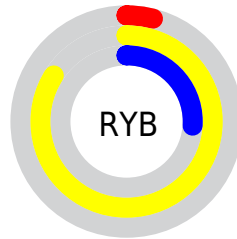
# Distribution



Red (61%)

Green (84%)

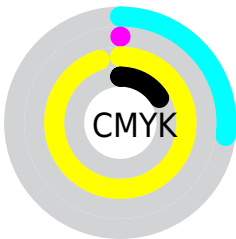
Blue (4%)



Red (4%)

Yellow (84%)

Blue (26%)

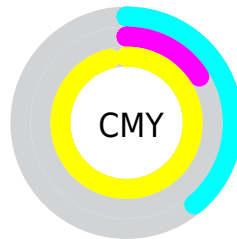


Cyan (27%)

Magenta (0%)

Yellow (95%)

Black (16%)



Cyan (39%)

Magenta (16%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6783, 0.3715, 0.5408 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 54.6783, 0.3715, 0.5408 by changing the saturation by 10% instead.





 54.6783, 0.3715,  
0.5408


 54.6783, 0.3715,  
0.5408

404.6913, 0.3538,  
0.4378


 39.1442, 0.3714,  
0.5631


 97.0695, 0.3684,  
0.5055


 26.8719, 0.3686,  
0.5889


 124.6953, 0.3662,  
0.4915


 17.4771, 0.3618,  
0.6199


 157.1206, 0.3640,  
0.4794

 10.5752, 0.3460,  
0.6540

 194.7296, 0.3617,  
0.4689

 5.7820, 0.3134,  
0.6866

 237.9068, 0.3596,  
0.4596

 2.7130, 0.2625,  
0.7375

 287.0365, 0.3576,

 0.9838, 0.0000,

0.4515

1.0000

342.5032, 0.3556,  
0.4443

■ 0.0000, 0.0000,  
0.0000

■ 54.6783, 0.3715,  
0.5408

■ 54.6783, 0.3715,  
0.5408

■ 54.3751, 0.3700,  
0.5444

■ 55.3722, 0.3735,  
0.5310

■ 56.1679, 0.3730,  
0.5163

■ 57.0807, 0.3699,  
0.4970

■ 58.1215, 0.3645,  
0.4741

■ 59.2994, 0.3572,  
0.4485

■ 60.6225, 0.3483,  
0.4215

■ 62.0985, 0.3386,  
0.3941

■ 63.7341, 0.3283,  
0.3673

■ 65.5358, 0.3180,  
0.3417

# Harmonies

## Analogous

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



54.6783, 0.4653, 0.4820



54.6783, 0.3715, 0.5408



54.6783, 0.2691, 0.5189

# Triad

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



54.6783, 0.3715, 0.5408



54.6783, 0.1324, 0.1986



54.6783, 0.4438, 0.2609

# Complementary

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



54.6783, 0.3715, 0.5408



6.2271, 0.1719, 0.0741

# 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.



54.6783, 0.3243, 0.2062



54.6783, 0.3715, 0.5408



54.6783, 0.1593, 0.1702

# Square

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



54.6783, 0.3715, 0.5408



54.6783, 0.1387, 0.2726



54.6783, 0.2223, 0.1745



54.6783, 0.5240, 0.3288



# Rectangle

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



54.6783, 0.3715, 0.5408



54.6783, 0.2085, 0.4449



54.6783, 0.2223, 0.1745



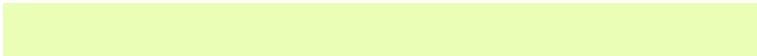
54.6783, 0.4052, 0.2407

# Sweetspot

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



54.6807, 0.3715, 0.5408



92.3870, 0.3426, 0.4053



17.8692, 0.5939, 0.3616



19.5727, 0.3468, 0.4171



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.



54.6807, 0.3715, 0.5408



81.6272, 0.3695, 0.5448



48.4980, 0.3104, 0.5888



14.3364, 0.3224, 0.3523



33.2675, 0.3707, 0.5438



2.0472, 0.3794, 0.5369



# Inverse Universe

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



6.2271, 0.1719, 0.0741



8.5853, 0.1663, 0.0690



13.0993, 0.2648, 0.1249



12.1760, 0.3025, 0.3052



3.5635, 0.1684, 0.0701



0.2565, 0.1870, 0.0804



# Previews

## White Background



This preview shows how the Yxy color 54.6783, 0.3715, 0.5408 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 54.6783, 0.3715, 0.5408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

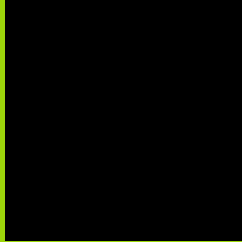
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.6783, 0.3715, 0.5408**

## Background



This preview shows how black text looks on a background with the Yxy color 54.6783, 0.3715, 0.5408.



This preview shows how white text looks on a background with the Yxy color 54.6783, 0.3715, 0.5408.

# 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

54.6783, 0.3715, 0.5408

### Deuteranopia

53.8536, 0.4653, 0.4539

### Tritanopia

54.4733, 0.2851, 0.3092

# Trichromacy



**Original Color**

54.6783, 0.3715, 0.5408

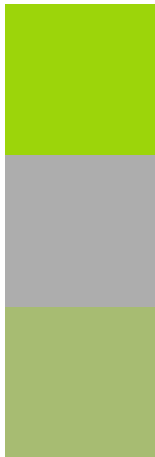
**Deuteranomaly**

53.2701, 0.4310, 0.4866

**Tritanomaly**

53.0403, 0.3309, 0.4134

# Monochromacy



**Original Color**

54.6783, 0.3715, 0.5408

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

45.3968, 0.3517, 0.4320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6783, 0.3715, 0.5408 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(156, 213, 10)` looks like.

```
.text, #text, p{  
    color:rgb(156, 213, 10)  
}
```

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(156, 213, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 213, 10) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6783, 0.3715, 0.5408 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(156, 213, 10) }
```

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

```
.border{ border-color:rgb(156, 213, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 213, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 213, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 213, 10);  
box-shadow:4px 4px 4px 4px rgb(156, 213,  
10) }
```

# Background

The CSS property to change the background color of an element to Yxy 54.6783, 0.3715, 0.5408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 213, 10) }
```

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

```
.background{ background-color: rgb(156,  
213, 10) }
```

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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