

# Converting Colors

Yxy(54.2031, 0.3703, 0.5262)

Have a look what the booklet for  
Yxy(54.2031, 0.3703, 0.5262)  
contains.

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**Color**

**Yxy(54.2293, 0.3707, 0.5261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0D32A
RGB	160, 211, 42
RGB Percent	63%, 83%, 16%
CMY	0.3725, 0.1725, 0.8355
CMYK	0.24, 0.00, 0.80, 0.17
HSL	78°, 67%, 50%
HSV	78°, 80%, 83%
XYZ	38.2110, 54.2293, 10.6376
YIQ	176.4850, 23.8530, -63.3710

# Conversions

## Conversions Part 2

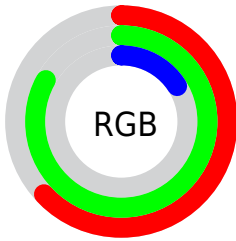
Format	Color
R <sub>Y</sub> B	42, 211, 93
Decimal	10539818
CIE Lab	78.60, -38.72, 70.98
CIE LCh	79, 80.853, 118.609
Yxy	54.2293, 0.3707, 0.5261
Android (android.graphics.Color)	4288729898 (0xFFA0D32A)
YUV	176.4850, -66.3011, -14.4573
Hunter-Lab	73.6405, -36.2499, 42.9837

# Details

The Yxy color **54.2293, 0.3707, 0.5261** 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 **8.6784, 0.1938, 0.0984**, and the grayscale version is **44.0265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5593, 0.3722, 0.4833**, and **26.6605, 0.3614, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **53.4793, 0.3696, 0.5388**, and if you desaturate by 10%, it is **55.0972, 0.3692, 0.5086**.

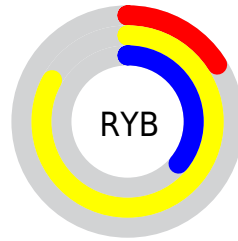
# Distribution



Red (63%)

Green (83%)

Blue (16%)



Red (16%)

Yellow (83%)

Blue (36%)

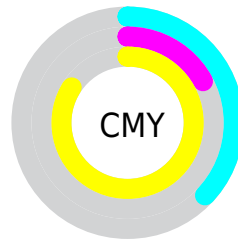


Cyan (24%)

Magenta (0%)

Yellow (80%)

Black (17%)



Cyan (37%)

Magenta (17%)


Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2293, 0.3707, 0.5261 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 54.2293, 0.3707, 0.5261 by changing the saturation by 10% instead.





 54.2293, 0.3707,  
0.5261


 54.2293, 0.3707,  
0.5261


402.9838, 0.3514,  
0.4294

 38.7850, 0.3717,  
0.5476


 96.4108, 0.3664,  
0.4925


 26.5925, 0.3707,  
0.5731

 123.9169, 0.3640,  
0.4793


 17.2674, 0.3657,  
0.6030


 156.2123, 0.3616,  
0.4680

 10.4253, 0.3566,  
0.6434

 193.6815, 0.3593,  
0.4582

 5.6819, 0.3262,  
0.6738

 236.7088, 0.3571,  
0.4496

 2.6526, 0.2784,  
0.7216

 285.6787, 0.3550,

 0.9532, 0.0000,

0.4420

1.0000

340.9756, 0.3531,  
0.4353

■ 0.0000, 0.0000,  
0.0000

■ 54.2293, 0.3707,  
0.5261

■ 54.2293, 0.3707,  
0.5261

■ 53.4793, 0.3696,  
0.5388

■ 55.0972, 0.3692,  
0.5086

■ 52.8268, 0.3666,  
0.5471

■ 56.0870, 0.3653,  
0.4869

■ 57.2110, 0.3592,  
0.4621

■ 58.4778, 0.3514,  
0.4353

■ 59.8950, 0.3424,  
0.4078

■ 61.4697, 0.3327,  
0.3805

■ 63.2086, 0.3227,  
0.3541

■ 65.1177, 0.3128,  
0.3293

■ 67.2028, 0.3032,  
0.3063

# Harmonies

## Analogous

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



54.2293, 0.4583, 0.4753



54.2293, 0.3707, 0.5261



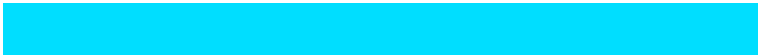
54.2293, 0.2739, 0.5027

# Triad

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



54.2293, 0.3707, 0.5261



54.2293, 0.1421, 0.2073



54.2293, 0.4345, 0.2657

# Complementary

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



54.2293, 0.3707, 0.5261



8.6784, 0.1938, 0.0984

# 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.



54.2293, 0.3241, 0.2133



54.2293, 0.3707, 0.5261



54.2293, 0.1679, 0.1792

# Square

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



54.2293, 0.3707, 0.5261



54.2293, 0.1488, 0.2779



54.2293, 0.2282, 0.1829



54.2293, 0.5092, 0.3310



# Rectangle

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



54.2293, 0.3707, 0.5261



54.2293, 0.2164, 0.4355



54.2293, 0.2282, 0.1829



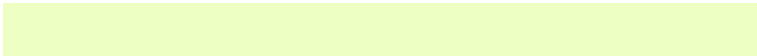
54.2293, 0.3988, 0.2463

# Sweetspot

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



54.2317, 0.3707, 0.5261



93.3320, 0.3368, 0.3917



21.7851, 0.5402, 0.3776



19.7923, 0.3402, 0.4015



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.



54.2317, 0.3707, 0.5261



81.3870, 0.3675, 0.5447



48.2829, 0.3136, 0.5677



13.6113, 0.3220, 0.3523



31.9358, 0.3674, 0.5465



1.8260, 0.3772, 0.5387



# Inverse Universe

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



8.6784, 0.1938, 0.0984



9.3275, 0.1726, 0.0738



15.7245, 0.2808, 0.1436



11.5880, 0.3028, 0.3053



3.5358, 0.1710, 0.0716



0.2391, 0.1913, 0.0828



# Previews

## White Background



This preview shows how the Yxy color 54.2293, 0.3707, 0.5261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

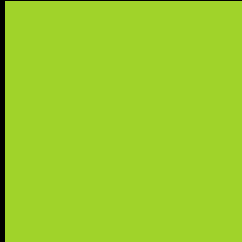
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2293, 0.3707, 0.5261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

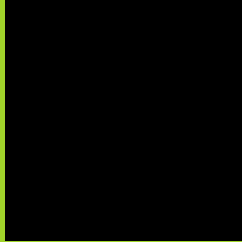
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.2293, 0.3707, 0.5261**

## Background



This preview shows how black text looks on a background with the Yxy color 54.2293, 0.3707, 0.5261.



This preview shows how white text looks on a background with the Yxy color 54.2293, 0.3707, 0.5261.

# 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

54.2293, 0.3707, 0.5261

### Protanopia

53.6289, 0.4343, 0.4796

### Deuteranopia

53.6212, 0.4582, 0.4482



## Tritanopia

53.6983, 0.2878, 0.3091

# Trichromacy



## Original Color

54.2293, 0.3707, 0.5261

## Protanomaly

53.3254, 0.4106, 0.4971

## Deuteranomaly

52.9687, 0.4258, 0.4765

## Tritanomaly

52.6332, 0.3258, 0.3971

# Monochromacy



## Original Color

54.2293, 0.3707, 0.5261

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

46.4735, 0.3444, 0.4146

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2293, 0.3707, 0.5261 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(160, 211, 42)` looks like.

```
.text, #text, p{  
    color:rgb(160, 211, 42)  
}
```

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(160, 211, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 211, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2293, 0.3707, 0.5261 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(160, 211, 42) }
```

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

```
.border{ border-color:rgb(160, 211, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 211, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 211, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 211, 42);  
box-shadow:4px 4px 4px 4px rgb(160, 211,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2293, 0.3707, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 211, 42) }
```

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

```
.background{ background-color: rgb(160,  
211, 42) }
```

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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