

Converting Colors

$Yxy(49.0641, 0.3648, 0.5423)$

Have a look what the booklet for
Yxy(49.0641, 0.3648, 0.5423)
contains.

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Color

Yxy(49.0759, 0.3651, 0.5422)

Conversions

Conversions Part 1

Format	Color
Hex	8FCC14
RGB	143, 204, 20
RGB Percent	56%, 80%, 8%
CMY	0.4392, 0.2000, 0.9217
CMYK	0.30, 0.00, 0.90, 0.20
HSL	80°, 82%, 44%
HSV	80°, 90%, 80%
XYZ	33.0461, 49.0759, 8.3905
YIQ	164.7850, 22.7080, -70.1560

Conversions

Conversions Part 2

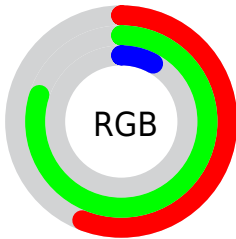
Format	Color
RYB	20, 204, 81
Decimal	9423892
CIELab	75.50, -42.80, 72.65
CIELCh	75, 84.320, 120.507
Yxy	49.0759, 0.3651, 0.5422
Android (android.graphics.Color)	4287613972 (0xFF8FCC14)
YUV	164.7850, -71.3790, -19.1054
Hunter-Lab	70.0542, -38.3924, 41.9367

Details

The Yxy color **49.0759, 0.3651, 0.5422** 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 **6.6074, 0.1846, 0.0839**, and the grayscale version is **37.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6588, 0.3651, 0.5014**, and **23.4262, 0.3478, 0.5621** is the 20% darker color. If you saturate the color by 10%, you get **48.4542, 0.3617, 0.5510**, and if you desaturate by 10%, it is **49.8053, 0.3666, 0.5290**.

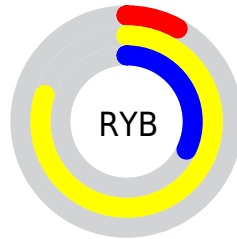
Distribution



Red (56%)

Green (80%)

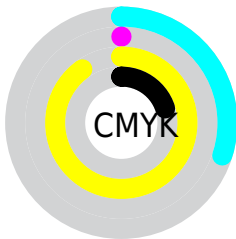
Blue (8%)



Red (8%)

Yellow (80%)

Blue (32%)

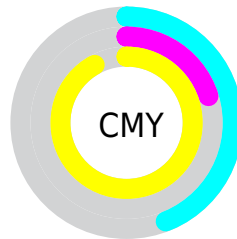


Cyan (30%)

Magenta (0%)

Yellow (90%)

Black (20%)



Cyan (44%)


Magenta (20%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0759, 0.3651, 0.5422 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 49.0759, 0.3651, 0.5422 by changing the saturation by 10% instead.


 49.0759, 0.3651,
0.5422


 49.0759, 0.3651,
0.5422


383.0410, 0.3497,
0.4356

 34.6797, 0.3644,
0.5661


 88.8042, 0.3627,
0.5049


 23.4162, 0.3607,
0.5944


 114.9050, 0.3609,
0.4903

 14.9012, 0.3530,
0.6299


 145.6762, 0.3589,
0.4779

 8.7500, 0.3333,
0.6667

 181.5021, 0.3569,
0.4671

 4.5785, 0.2950,
0.7050

 222.7672, 0.3549,
0.4576

 2.0021, 0.2264,
0.7736

 269.8558, 0.3531,

 0.6087, 0.0000,

0.4494

1.0000

323.1522, 0.3513,
0.4421

■ 0.0000, 0.0000,
0.0000

■ 49.0759, 0.3651,
0.5422

■ 49.0759, 0.3651,
0.5422

■ 48.4542, 0.3617,
0.5510

■ 49.8053, 0.3666,
0.5290

■ 50.6429, 0.3656,
0.5109

■ 51.6016, 0.3622,
0.4886

■ 52.6905, 0.3566,
0.4632

■ 53.9177, 0.3493,
0.4361

■ 55.2903, 0.3409,
0.4082

■ 56.8150, 0.3318,
0.3807

■ 58.4981, 0.3223,
0.3543

■ 60.3454, 0.3129,
0.3295

Harmonies

Analogous

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



49.0759, 0.4599, 0.4866



49.0759, 0.3651, 0.5422



49.0759, 0.2631, 0.5133

Triad

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



49.0759, 0.3651, 0.5422



49.0759, 0.1333, 0.1958



49.0759, 0.4505, 0.2650

Complementary

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



49.0759, 0.3651, 0.5422



6.6074, 0.1846, 0.0839

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.



49.0759, 0.3318, 0.2092



49.0759, 0.3651, 0.5422



49.0759, 0.1623, 0.1698

Square

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



49.0759, 0.3651, 0.5422



49.0759, 0.1375, 0.2664



49.0759, 0.2277, 0.1758



49.0759, 0.5262, 0.3334

Rectangle

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



49.0759, 0.3651, 0.5422



49.0759, 0.2037, 0.4362



49.0759, 0.2277, 0.1758



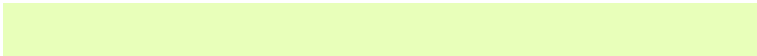
49.0759, 0.4125, 0.2445

Sweetspot

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



49.0781, 0.3651, 0.5422



92.2568, 0.3383, 0.4003



18.3724, 0.5681, 0.3758



19.5672, 0.3414, 0.4099



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.



49.0781, 0.3651, 0.5422



80.1182, 0.3610, 0.5516



44.0150, 0.3090, 0.5855



12.9032, 0.3215, 0.3522



30.5484, 0.3625, 0.5504



1.6163, 0.3739, 0.5413

Inverse Universe

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



6.6074, 0.1846, 0.0839



9.1295, 0.1725, 0.0724



13.4347, 0.2793, 0.1351



11.0216, 0.3033, 0.3054



3.5547, 0.1750, 0.0738



0.2247, 0.1973, 0.0861

Previews

White Background



This preview shows how the Yxy color 49.0759, 0.3651, 0.5422 looks on a white background.

Color Contrast Check

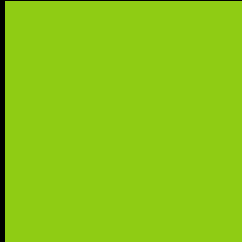
Large Text (above 18pt) WCAG AA × Fail

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 49.0759, 0.3651, 0.5422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

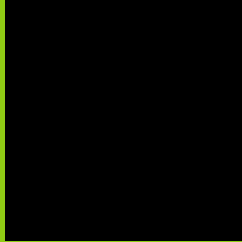
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0759, 0.3651, 0.5422

Background



This preview shows how black text looks on a background with the Yxy color 49.0759, 0.3651, 0.5422.



This preview shows how white text looks on a background with the Yxy color 49.0759, 0.3651, 0.5422.

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

49.0759, 0.3651, 0.5422

Protanopia

48.6973, 0.4391, 0.4869

Deuteranopia

48.5487, 0.4625, 0.4531



Tritanopia

49.0212, 0.2811, 0.3094

Trichromacy



Original Color

49.0759, 0.3651, 0.5422

Protanomaly

48.4859, 0.4107, 0.5085

Deuteranomaly

47.5185, 0.4263, 0.4860

Tritanomaly

47.9331, 0.3230, 0.4095

Monochromacy



Original Color

49.0759, 0.3651, 0.5422

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.5781, 0.3470, 0.4274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0759, 0.3651, 0.5422 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(143, 204, 20)` looks like.

```
.text, #text, p{  
    color:rgb(143, 204, 20)  
}
```

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(143, 204, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 204, 20) }
```

Border

The CSS property to change the border of an element to Yxy 49.0759, 0.3651, 0.5422 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(143, 204, 20) }
```

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

```
.border{ border-color:rgb(143, 204, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 204, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 204, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 204, 20);  
box-shadow:4px 4px 4px 4px rgb(143, 204,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0759, 0.3651, 0.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 204, 20) }
```

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

```
.background{ background-color: rgb(143,  
204, 20) }
```

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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