

Converting Colors

$Y_{xy}(49.3222, 0.3662, 0.5385)$

Have a look what the booklet for
Yxy(49.3222, 0.3662, 0.5385)
contains.

Yxy(49.2801, 0.3658, 0.5388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.2801, 0.3658, 0.5388)

Conversions

Conversions Part 1

Format	Color
Hex	91CC1A
RGB	145, 204, 26
RGB Percent	57%, 80%, 10%
CMY	0.4314, 0.2000, 0.8980
CMYK	0.29, 0.00, 0.87, 0.20
HSL	80°, 77%, 45%
HSV	80°, 87%, 80%
XYZ	33.4571, 49.2801, 8.7255
YIQ	166.0670, 21.9740, -67.8660

Conversions

Conversions Part 2

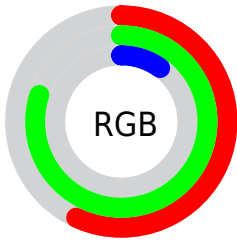
Format	Color
R _Y B	26, 204, 85
Decimal	9554970
CIE Lab	75.63, -41.90, 71.75
CIE LCh	76, 83.087, 120.284
Yxy	49.2801, 0.3658, 0.5388
Android (android.graphics.Color)	4287745050 (0xFF91CC1A)
YUV	166.0670, -69.0530, -18.4758
Hunter-Lab	70.1998, -37.7769, 41.7704

Details

The Yxy color **49.2801, 0.3658, 0.5388** 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 **7.0303, 0.1883, 0.0882**, and the grayscale version is **38.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9892, 0.3654, 0.4983**, and **23.5696, 0.3508, 0.5597** is the 20% darker color. If you saturate the color by 10%, you get **48.6238, 0.3627, 0.5487**, and if you desaturate by 10%, it is **50.0409, 0.3666, 0.5241**.

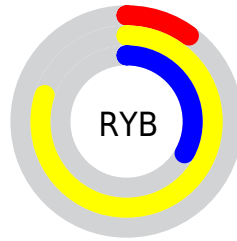
Distribution



Red (57%)

Green (80%)

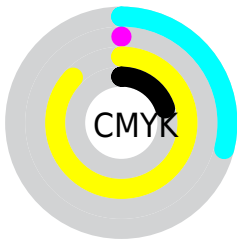
Blue (10%)



Red (10%)

Yellow (80%)

Blue (33%)

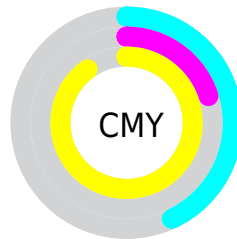


Cyan (29%)

Magenta (0%)

Yellow (87%)

Black (20%)



Cyan (43%)


Magenta (20%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2801, 0.3658, 0.5388 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 49.2801, 0.3658, 0.5388 by changing the saturation by 10% instead.


 49.2801, 0.3658,
0.5388

 49.2801, 0.3658,
0.5388


383.8440, 0.3497,
0.4339


 34.8417, 0.3654,
0.5624


 89.1073, 0.3631,
0.5021


 23.5410, 0.3623,
0.5904


 115.2650, 0.3611,
0.4877

 14.9935, 0.3549,
0.6249


 146.0978, 0.3590,
0.4755

 8.8148, 0.3370,
0.6630

 181.9902, 0.3569,
0.4648

 4.6206, 0.2997,
0.7003

 223.3267, 0.3550,
0.4556

 2.0264, 0.2347,
0.7653

 270.4915, 0.3531,

 0.6228, 0.0000,

0.4475

1.0000

323.8692, 0.3513,
0.4403

■ 0.0000, 0.0000,
0.0000

■ 49.2801, 0.3658,
0.5388

■ 49.2801, 0.3658,
0.5388

■ 48.6238, 0.3627,
0.5487

■ 50.0409, 0.3666,
0.5241

■ 48.4540, 0.3617,
0.5510

■ 50.9132, 0.3648,
0.5047

■ 51.9095, 0.3607,
0.4814

■ 53.0384, 0.3546,
0.4553

■ 54.3078, 0.3469,
0.4279

■ 55.7246, 0.3382,
0.4000

■ 57.2955, 0.3290,
0.3728

■ 59.0264, 0.3195,
0.3468

■ 60.9231, 0.3102,
0.3225

Harmonies

Analogous

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



49.2801, 0.4592, 0.4846



49.2801, 0.3658, 0.5388



49.2801, 0.2649, 0.5105

Triad

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



49.2801, 0.3658, 0.5388



49.2801, 0.1353, 0.1980



49.2801, 0.4476, 0.2656

Complementary

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



49.2801, 0.3658, 0.5388



7.0303, 0.1883, 0.0882

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.



49.2801, 0.3307, 0.2103



49.2801, 0.3658, 0.5388



49.2801, 0.1638, 0.1718

Square

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



49.2801, 0.3658, 0.5388



49.2801, 0.1398, 0.2684



49.2801, 0.2283, 0.1775



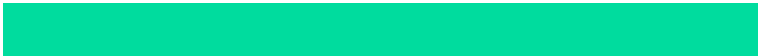
49.2801, 0.5227, 0.3333

Rectangle

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



49.2801, 0.3658, 0.5388



49.2801, 0.2060, 0.4353



49.2801, 0.2283, 0.1775



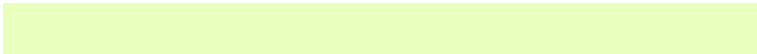
49.2801, 0.4102, 0.2452

Sweetspot

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



49.2823, 0.3658, 0.5388



92.5089, 0.3374, 0.3975



19.0033, 0.5593, 0.3778



19.6166, 0.3406, 0.4072



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.



49.2823, 0.3658, 0.5388



80.1195, 0.3610, 0.5516



44.1809, 0.3100, 0.5813



12.9032, 0.3215, 0.3522



30.5489, 0.3625, 0.5504



1.6163, 0.3739, 0.5413

Inverse Universe

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



7.0303, 0.1883, 0.0882



9.1290, 0.1725, 0.0724



13.7984, 0.2807, 0.1376



11.0216, 0.3033, 0.3054



3.5545, 0.1750, 0.0738



0.2247, 0.1973, 0.0861

Previews

White Background



This preview shows how the Yxy color 49.2801, 0.3658, 0.5388 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 49.2801, 0.3658, 0.5388 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 49.2801, 0.3658, 0.5388

Background



This preview shows how black text looks on a background with the Yxy color 49.2801, 0.3658, 0.5388.



This preview shows how white text looks on a background with the Yxy color 49.2801, 0.3658, 0.5388.

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

49.2801, 0.3658, 0.5388

Protanopia

48.7236, 0.4378, 0.4850

Deuteranopia

48.5638, 0.4618, 0.4521



Tritanopia

49.1272, 0.2818, 0.3095

Trichromacy



Original Color

49.2801, 0.3658, 0.5388

Protanomaly

48.6370, 0.4104, 0.5057

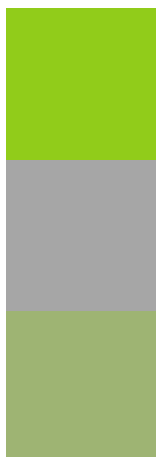
Deuteranomaly

47.6753, 0.4264, 0.4840

Tritanomaly

48.0918, 0.3224, 0.4064

Monochromacy



Original Color

49.2801, 0.3658, 0.5388

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.1494, 0.3453, 0.4240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2801, 0.3658, 0.5388 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(145, 204, 26)` looks like.

```
.text, #text, p{  
    color:rgb(145, 204, 26)  
}
```

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(145, 204, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 204, 26) }
```

Border

The CSS property to change the border of an element to Yxy 49.2801, 0.3658, 0.5388 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(145, 204, 26) }
```

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

```
.border{ border-color:rgb(145, 204, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 204, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 204, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 204, 26);  
box-shadow:4px 4px 4px 4px rgb(145, 204,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2801, 0.3658, 0.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 204, 26) }
```

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

```
.background{ background-color: rgb(145,  
204, 26) }
```

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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