

Converting Colors

$Y_{xy}(49.2171, 0.3630, 0.4846)$

Have a look what the booklet for
Yxy(49.2171, 0.3630, 0.4846)
contains.

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Color

Yxy(49.1374, 0.3630, 0.4841)

Conversions

Conversions Part 1

Format	Color
Hex	A2C752
RGB	162, 199, 82
RGB Percent	64%, 78%, 32%
CMY	0.3647, 0.2196, 0.6785
CMYK	0.19, 0.00, 0.59, 0.22
HSL	79°, 51%, 55%
HSV	79°, 59%, 78%
XYZ	36.8454, 49.1374, 15.5197
YIQ	174.5990, 15.5050, -44.2310

Conversions

Conversions Part 2

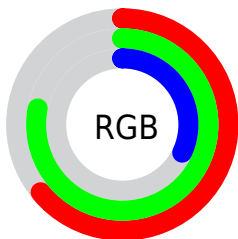
Format	Color
R_YB	82, 199, 119
Decimal	10667858
CIE Lab	75.54, -29.98, 53.35
CIE LCh	76, 61.196, 119.335
Yxy	49.1374, 0.3630, 0.4841
Android (android.graphics.Color)	4288857938 (0xFFA2C752)
YUV	174.5990, -45.6513, -11.0493
Hunter-Lab	70.0981, -28.8472, 35.9418

Details

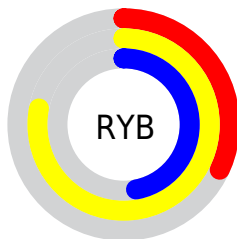
The Yxy color **49.1374, 0.3630, 0.4841** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **14.0757, 0.2309, 0.1553**, and the grayscale version is **42.8854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3293, 0.3575, 0.4553**, and **23.4512, 0.3683, 0.5274** is the 20% darker color. If you saturate the color by 10%, you get **48.2367, 0.3670, 0.5066**, and if you desaturate by 10%, it is **50.1633, 0.3569, 0.4587**.

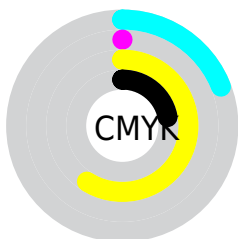
Distribution



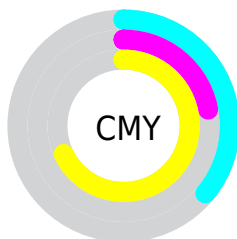
- Red (64%)
- Green (78%)
- Blue (32%)



- Red (32%)
- Yellow (78%)
- Blue (47%)



- Cyan (19%)
- Magenta (0%)
- Yellow (59%)
- Black (22%)




- Cyan (36%)
- Magenta (22%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1374, 0.3630, 0.4841 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 49.1374, 0.3630, 0.4841 by changing the saturation by 10% instead.


 49.1374, 0.3630,
0.4841


 49.1374, 0.3630,
0.4841


383.2830, 0.3427,
0.4054


 34.7285, 0.3660,
0.5031


 88.8955, 0.3571,
0.4557


 23.4538, 0.3684,
0.5268


 115.0135, 0.3544,
0.4450


 14.9289, 0.3691,
0.5565

 145.8032, 0.3519,
0.4358

 8.7695, 0.3666,
0.5958

 181.6492, 0.3497,
0.4280

 4.5912, 0.3542,
0.6458

 222.9358, 0.3477,
0.4212

 2.0094, 0.3104,
0.6896

270.0473, 0.3459,

 0.6129, 0.0000,

0.4152

1.0000

323.3683, 0.3442,
0.4100

■ 0.0000, 0.0000,
0.0000

■ 49.1374, 0.3630,
0.4841

■ 49.1374, 0.3630,
0.4841

■ 48.2367, 0.3670,
0.5066

■ 50.1633, 0.3569,
0.4587

■ 47.4463, 0.3687,
0.5250

■ 51.3152, 0.3492,
0.4316

■ 46.7588, 0.3678,
0.5387

■ 52.6019, 0.3403,
0.4040

■ 46.1584, 0.3647,
0.5479

■ 54.0297, 0.3309,
0.3768

■ 46.0900, 0.3643,
0.5489

■ 55.6041, 0.3212,
0.3507

■ 57.3306, 0.3116,
0.3262

■ 59.2141, 0.3023,
0.3035

■ 61.2596, 0.2934,
0.2827

■ 63.0735, 0.2890,
0.2697

Harmonies

Analogous

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



49.1374, 0.4333, 0.4534



49.1374, 0.3630, 0.4841



49.1374, 0.2836, 0.4586

Triad

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



49.1374, 0.3630, 0.4841



49.1374, 0.1717, 0.2312



49.1374, 0.4105, 0.2802

Complementary

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



49.1374, 0.3630, 0.4841



14.0757, 0.2309, 0.1553

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.



49.1374, 0.3252, 0.2350



49.1374, 0.3630, 0.4841



49.1374, 0.1947, 0.2060

Square

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



49.1374, 0.3630, 0.4841



49.1374, 0.1782, 0.2899



49.1374, 0.2471, 0.2087



49.1374, 0.4683, 0.3368

Rectangle

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



49.1374, 0.3630, 0.4841



49.1374, 0.2363, 0.4082



49.1374, 0.2471, 0.2087



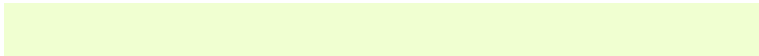
49.1374, 0.3833, 0.2635

Sweetspot

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



49.1396, 0.3630, 0.4841



94.7386, 0.3304, 0.3754



25.4943, 0.4612, 0.3739



20.1135, 0.3332, 0.3833



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.



49.1396, 0.3630, 0.4841



83.9849, 0.3678, 0.5130



44.4850, 0.3183, 0.5090



12.2423, 0.3217, 0.3522



29.6834, 0.3651, 0.5483



1.4429, 0.3767, 0.5391

Inverse Universe

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



14.0757, 0.2309, 0.1553



16.9526, 0.2088, 0.1184



19.3384, 0.2921, 0.1814



10.4475, 0.3031, 0.3055



3.3713, 0.1731, 0.0727



0.1987, 0.1970, 0.0859

Previews

White Background



This preview shows how the Yxy color 49.1374, 0.3630, 0.4841 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 49.1374, 0.3630, 0.4841 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 49.1374, 0.3630, 0.4841

Background



This preview shows how black text looks on a background with the Yxy color 49.1374, 0.3630, 0.4841.



This preview shows how white text looks on a background with the Yxy color 49.1374, 0.3630, 0.4841.

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

49.1374, 0.3630, 0.4841

Protanopia

48.7897, 0.4131, 0.4540

Deuteranopia

48.8069, 0.4344, 0.4258



Tritanopia

49.0350, 0.2928, 0.3098

Trichromacy



Original Color

49.1374, 0.3630, 0.4841

Protanomaly

48.7733, 0.3943, 0.4659

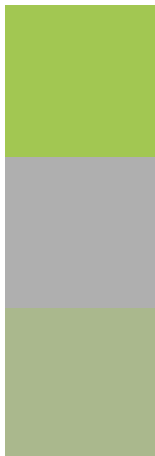
Deuteranomaly

48.3489, 0.4079, 0.4462

Tritanomaly

48.3882, 0.3213, 0.3737

Monochromacy



Original Color

49.1374, 0.3630, 0.4841

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.7501, 0.3348, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1374, 0.3630, 0.4841 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(162, 199, 82)` looks like.

```
.text, #text, p{  
    color:rgb(162, 199, 82)  
}
```

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(162, 199, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 199, 82) }
```

Border

The CSS property to change the border of an element to Yxy 49.1374, 0.3630, 0.4841 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(162, 199, 82) }
```

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

```
.border{ border-color:rgb(162, 199, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 199, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 199, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 199, 82);  
box-shadow:4px 4px 4px 4px rgb(162, 199,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1374, 0.3630, 0.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 199, 82) }
```

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

```
.background{ background-color: rgb(162,  
199, 82) }
```

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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