

Converting Colors

$Yxy(49.7809, 0.3577, 0.4648)$

Have a look what the booklet for
Yxy(49.7809, 0.3577, 0.4648)
contains.

Yxy(49.8169, 0.3579, 0.4654)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8169, 0.3579, 0.4654)

Conversions

Conversions Part 1

Format	Color
Hex	A6C761
RGB	166, 199, 97
RGB Percent	65%, 78%, 38%
CMY	0.3490, 0.2196, 0.6195
CMYK	0.17, 0.00, 0.51, 0.22
HSL	79°, 48%, 58%
HSV	79°, 51%, 78%
XYZ	38.3100, 49.8169, 18.9142
YIQ	177.5050, 13.0740, -38.7180

Conversions

Conversions Part 2

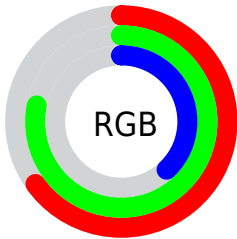
Format	Color
RYB	97, 199, 130
Decimal	10930017
CIELab	75.96, -27.02, 46.95
CIELCh	76, 54.174, 119.923
Yxy	49.8169, 0.3579, 0.4654
Android (android.graphics.Color)	4289120097 (0xFFA6C761)
YUV	177.5050, -39.6890, -10.0899
Hunter-Lab	70.5811, -26.6307, 33.5184

Details

The Yxy color $49.8169, 0.3579, 0.4654$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $17.4278, 0.2444, 0.1790$, and the grayscale version is $44.4577, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.4100, 0.3524, 0.4395$, and $23.8928, 0.3644, 0.5032$ is the 20% darker color. If you saturate the color by 10%, you get $48.8145, 0.3634, 0.4903$, and if you desaturate by 10%, it is $50.9517, 0.3507, 0.4385$.

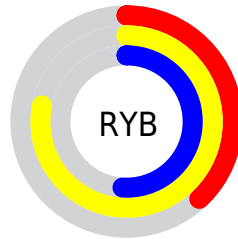
Distribution



Red (65%)

Green (78%)

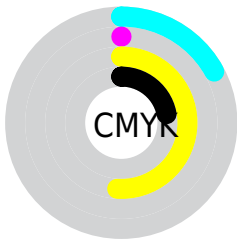
Blue (38%)



Red (38%)

Yellow (78%)

Blue (51%)

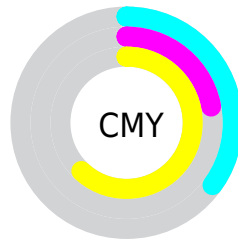


Cyan (17%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (35%)


Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8169, 0.3579, 0.4654 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 49.8169, 0.3579, 0.4654 by changing the saturation by 10% instead.


 49.8169, 0.3579,
0.4654


 49.8169, 0.3579,
0.4654

385.9495, 0.3388,
0.3960

 35.2679, 0.3612,
0.4825


 89.9035, 0.3520,
0.4402


 23.8693, 0.3643,
0.5039


 116.2100, 0.3495,
0.4308

 15.2367, 0.3667,
0.5314


 147.2044, 0.3472,
0.4227

 8.9857, 0.3664,
0.5670

 183.2711, 0.3452,
0.4158

 4.7319, 0.3690,
0.6310

224.7946, 0.3433,
0.4099

 2.0908, 0.3305,
0.6695

272.1592, 0.3417,

 0.6594, 0.0000,

0.4047

1.0000

325.7494, 0.3402,
0.4001

■ 0.0000, 0.0000,
0.0000

■ 49.8169, 0.3579,
0.4654

■ 49.8169, 0.3579,
0.4654

■ 48.8145, 0.3634,
0.4903

■ 50.9517, 0.3507,
0.4385

■ 47.9303, 0.3668,
0.5121

■ 52.2190, 0.3422,
0.4108

■ 47.1578, 0.3677,
0.5295

■ 53.6275, 0.3330,
0.3834

■ 46.4868, 0.3661,
0.5422

■ 55.1829, 0.3234,
0.3569

■ 45.9662, 0.3631,
0.5499

■ 56.8907, 0.3139,
0.3320

■ 58.7560, 0.3046,
0.3088

■ 60.7838, 0.2957,
0.2876

■ 62.8986, 0.2882,
0.2696

■ 63.9077, 0.2927,
0.2703

Harmonies

Analogous

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



49.8169, 0.4205, 0.4422



49.8169, 0.3579, 0.4654



49.8169, 0.2869, 0.4403

Triad

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



49.8169, 0.3579, 0.4654



49.8169, 0.1857, 0.2417



49.8169, 0.4004, 0.2868

Complementary

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



49.8169, 0.3579, 0.4654



17.4278, 0.2444, 0.1790

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.



49.8169, 0.3259, 0.2452



49.8169, 0.3579, 0.4654



49.8169, 0.2074, 0.2184

Square

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



49.8169, 0.3579, 0.4654



49.8169, 0.1917, 0.2944



49.8169, 0.2558, 0.2208



49.8169, 0.4506, 0.3388

Rectangle

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



49.8169, 0.3579, 0.4654



49.8169, 0.2444, 0.3967



49.8169, 0.2558, 0.2208



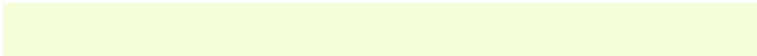
49.8169, 0.3768, 0.2714

Sweetspot

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



49.8191, 0.3579, 0.4654



95.5047, 0.3272, 0.3673



28.7924, 0.4336, 0.3715



20.3173, 0.3293, 0.3730



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.



49.8191, 0.3579, 0.4654



85.3621, 0.3637, 0.4919



45.4055, 0.3176, 0.4847



12.2384, 0.3216, 0.3522



29.6060, 0.3639, 0.5493



1.4397, 0.3758, 0.5398

Inverse Universe

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



17.4278, 0.2444, 0.1790



22.6921, 0.2265, 0.1465



22.4201, 0.2976, 0.1993



10.4513, 0.3032, 0.3055



3.4031, 0.1740, 0.0732



0.2005, 0.1980, 0.0864

Previews

White Background



This preview shows how the Yxy color 49.8169, 0.3579, 0.4654 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 49.8169, 0.3579, 0.4654 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 49.8169, 0.3579, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 49.8169, 0.3579, 0.4654.



This preview shows how white text looks on a background with the Yxy color 49.8169, 0.3579, 0.4654.

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

49.8169, 0.3579, 0.4654

Protanopia

49.4528, 0.4030, 0.4409

Deuteranopia

49.2941, 0.4227, 0.4141



Tritanopia

49.3886, 0.2951, 0.3100

Trichromacy



Original Color

49.8169, 0.3579, 0.4654

Protanomaly

49.1461, 0.3861, 0.4503

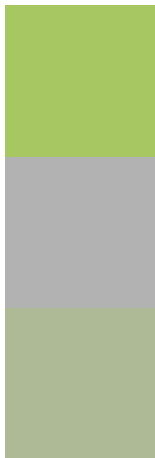
Deuteranomaly

49.0170, 0.3979, 0.4330

Tritanomaly

48.9406, 0.3192, 0.3651

Monochromacy



Original Color

49.8169, 0.3579, 0.4654

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.2864, 0.3316, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8169, 0.3579, 0.4654 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(166, 199, 97)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 97)  
}
```

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(166, 199, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 97) }
```

Border

The CSS property to change the border of an element to Yxy 49.8169, 0.3579, 0.4654 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(166, 199, 97) }
```

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

```
.border{ border-color:rgb(166, 199, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 97);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8169, 0.3579, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 97) }
```

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

```
.background{ background-color: rgb(166,  
199, 97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor