

Converting Colors

$Y_{xy}(49.1848, 0.3914, 0.5259)$

Have a look what the booklet for
Yxy(49.1848, 0.3914, 0.5259)
contains.

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Color

Yxy(49.1848, 0.3914, 0.5259)

Conversions

Conversions Part 1

Format	Color
Hex	A8C706
RGB	168, 199, 6
RGB Percent	66%, 78%, 2%
CMY	0.3411, 0.2196, 0.9767
CMYK	0.16, 0.00, 0.97, 0.22
HSL	70°, 94%, 40%
HSV	70°, 97%, 78%
XYZ	36.6057, 49.1848, 7.7345
YIQ	167.7290, 43.4770, -66.5950

Conversions

Conversions Part 2

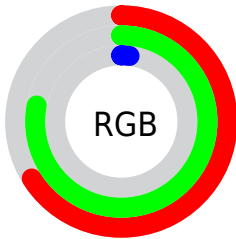
Format	Color
RYB	6, 199, 37
Decimal	11060998
CIELab	75.57, -30.90, 75.04
CIElCh	76, 81.156, 112.381
Yxy	49.1848, 0.3914, 0.5259
Android (android.graphics.Color)	4289251078 (0xFFA8C706)
YUV	167.7290, -79.7324, 0.2377
Hunter-Lab	70.1319, -29.5618, 42.5535

Details

The Yxy color **49.1848, 0.3914, 0.5259** 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 **4.6452, 0.1588, 0.0662**, and the grayscale version is **39.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4910, 0.3849, 0.4934**, and **23.6303, 0.3792, 0.5371** is the 20% darker color. If you saturate the color by 10%, you get **49.0695, 0.3911, 0.5277**, and if you desaturate by 10%, it is **49.6030, 0.3916, 0.5188**.

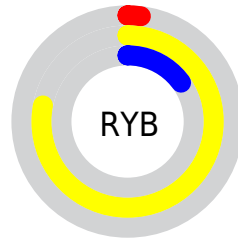
Distribution



Red (66%)

Green (78%)

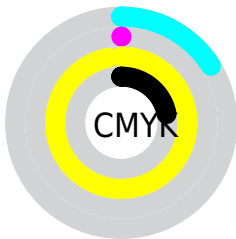
Blue (2%)



Red (2%)

Yellow (78%)

Blue (15%)

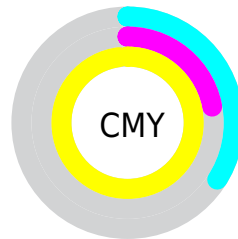


Cyan (16%)

Magenta (0%)

Yellow (97%)

Black (22%)



Cyan (34%)

Magenta (22%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1848, 0.3914, 0.5259 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 49.1848, 0.3914, 0.5259 by changing the saturation by 10% instead.

■ 49.1848, 0.3914,
0.5259

■ 49.1848, 0.3914,
0.5259

■ 383.4694, 0.3629,
0.4309

■ 34.7661, 0.3938,
0.5459

■ 88.9659, 0.3844,
0.4936

■ 23.4828, 0.3939,
0.5688

■ 115.0970, 0.3808,
0.4807

■ 14.9504, 0.3921,
0.5981

■ 145.9011, 0.3772,
0.4696

■ 8.7846, 0.3776,
0.6224

■ 181.7625, 0.3739,
0.4598

■ 4.6009, 0.3501,
0.6499

■ 223.0657, 0.3708,
0.4512

■ 2.0151, 0.3050,
0.6950

■ 270.1949, 0.3680,

■ 0.6162, 0.0000,

0.4436

1.0000

323.5347, 0.3654,
0.4369

■ 0.0000, 0.0000,
0.0000

■ 49.1848, 0.3914,
0.5259

■ 49.1848, 0.3914,
0.5259

■ 49.0695, 0.3911,
0.5277

■ 49.6030, 0.3916,
0.5188

■ 50.0881, 0.3895,
0.5072

■ 50.6545, 0.3847,
0.4913

■ 51.3112, 0.3775,
0.4714

■ 52.0659, 0.3683,
0.4484

■ 52.9253, 0.3575,
0.4234

■ 53.8958, 0.3457,
0.3975

■ 54.9829, 0.3335,
0.3714

■ 56.1918, 0.3212,
0.3461

Harmonies

Analogous

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



49.1848, 0.4773, 0.4632



49.1848, 0.3914, 0.5259



49.1848, 0.2920, 0.5237

Triad

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



49.1848, 0.3914, 0.5259



49.1848, 0.1361, 0.2142



49.1848, 0.4161, 0.2509

Complementary

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



49.1848, 0.3914, 0.5259



4.6452, 0.1588, 0.0662

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.



49.1848, 0.3011, 0.2015



49.1848, 0.3914, 0.5259



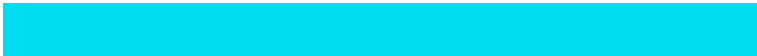
49.1848, 0.1557, 0.1779

Square

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



49.1848, 0.3914, 0.5259



49.1848, 0.1500, 0.2971



49.1848, 0.2095, 0.1758



49.1848, 0.5056, 0.3156

Rectangle

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



49.1848, 0.3914, 0.5259



49.1848, 0.2298, 0.4652



49.1848, 0.2095, 0.1758



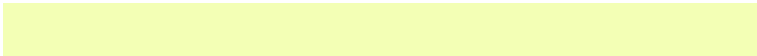
49.1848, 0.3776, 0.2322

Sweetspot

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



49.1870, 0.3914, 0.5259



93.9355, 0.3486, 0.4038



13.3523, 0.6200, 0.3423



19.9479, 0.3538, 0.4150



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.



49.1870, 0.3914, 0.5259



85.8249, 0.3907, 0.5280



42.2982, 0.3199, 0.5822



12.3275, 0.3241, 0.3520



31.5836, 0.3915, 0.5273



1.5192, 0.3977, 0.5225

Inverse Universe

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



4.6452, 0.1588, 0.0662



7.6902, 0.1558, 0.0632



9.1129, 0.2367, 0.1089



10.3679, 0.3007, 0.3053



2.8738, 0.1574, 0.0641



0.1625, 0.1749, 0.0737

Previews

White Background



This preview shows how the Yxy color 49.1848, 0.3914, 0.5259 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 49.1848, 0.3914, 0.5259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

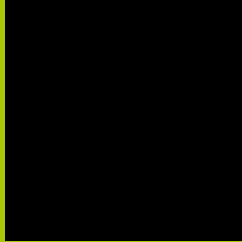
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1848, 0.3914, 0.5259

Background



This preview shows how black text looks on a background with the Yxy color 49.1848, 0.3914, 0.5259.



This preview shows how white text looks on a background with the Yxy color 49.1848, 0.3914, 0.5259.

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

49.1848, 0.3914, 0.5259

Protanopia

48.8194, 0.4411, 0.4879

Deuteranopia

48.6644, 0.4660, 0.4557



Tritanopia

49.0584, 0.3005, 0.3101

Trichromacy



Original Color

49.1848, 0.3914, 0.5259

Protanomaly

48.8681, 0.4227, 0.5021

Deuteranomaly

48.0486, 0.4399, 0.4817

Tritanomaly

47.8769, 0.3497, 0.4110

Monochromacy



Original Color

49.1848, 0.3914, 0.5259

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.6692, 0.3598, 0.4280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1848, 0.3914, 0.5259 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(168, 199, 6)` looks like.

```
.text, #text, p{  
    color:rgb(168, 199, 6)  
}
```

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(168, 199, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 199, 6) }
```

Border

The CSS property to change the border of an element to Yxy 49.1848, 0.3914, 0.5259 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(168, 199, 6) }
```

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

```
.border{ border-color:rgb(168, 199, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 199, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 199, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 199, 6);  
box-shadow:4px 4px 4px 4px rgb(168, 199,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1848, 0.3914, 0.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 199, 6) }
```

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

```
.background{ background-color: rgb(168,  
199, 6) }
```

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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