

Converting Colors

$Y_{xy}(49.3901, 0.4340, 0.4308)$

Have a look what the booklet for
Yxy(49.3901, 0.4340, 0.4308)
contains.

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Color

Yxy(49.3901, 0.4340, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	E4B355
RGB	228, 179, 85
RGB Percent	89%, 70%, 33%
CMY	0.1058, 0.2980, 0.6667
CMYK	0.00, 0.21, 0.63, 0.11
HSL	39°, 73%, 61%
HSV	39°, 63%, 89%
XYZ	49.7570, 49.3901, 15.5003
YIQ	182.9350, 59.3780, -18.8460

Conversions

Conversions Part 2

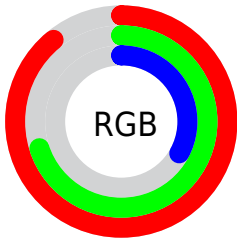
Format	Color
RYB	160, 228, 85
Decimal	14988117
CIELab	75.69, 7.74, 53.66
CIELCh	76, 54.218, 81.790
Yxy	49.3901, 0.4340, 0.4308
Android (android.graphics.Color)	4293178197 (0xFFE4B355)
YUV	182.9350, -48.2820, 39.5220
Hunter-Lab	70.2781, 3.3916, 36.1178

Details

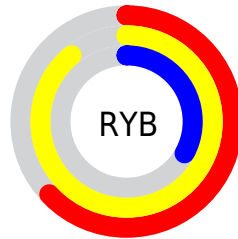
The Yxy color **49.3901, 0.4340, 0.4308** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.5799, 0.2059, 0.1926**, and the grayscale version is **47.5626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5116, 0.3893, 0.4252**, and **23.7180, 0.4603, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **46.0430, 0.4543, 0.4407**, and if you desaturate by 10%, it is **53.0361, 0.4126, 0.4174**.

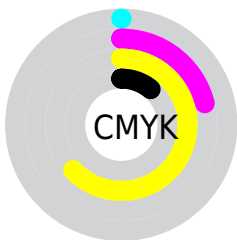
Distribution



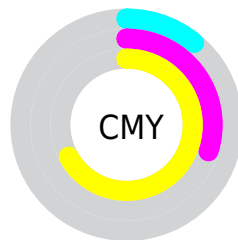
- Red (89%)
- Green (70%)
- Blue (33%)



- Red (63%)
- Yellow (89%)
- Blue (33%)



- Cyan (0%)
- Magenta (21%)
- Yellow (63%)
- Black (11%)





- Cyan (11%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3901, 0.4340, 0.4308 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 49.3901, 0.4340, 0.4308 by changing the saturation by 10% instead.

 49.3901, 0.4340,
0.4308

 49.3901, 0.4340,
0.4308


384.2760, 0.3767,
0.3848

 34.9290, 0.4464,
0.4400


 89.2706, 0.4145,
0.4157

 23.6082, 0.4609,
0.4502


 115.4587, 0.4067,
0.4095

 15.0432, 0.4777,
0.4612


 146.3248, 0.4000,
0.4041

 8.8497, 0.4978,
0.4728

 182.2530, 0.3941,
0.3993

 4.6433, 0.5189,
0.4811

 223.6278, 0.3890,
0.3950

 2.0395, 0.5286,
0.4714

270.8337, 0.3844,

 0.6303, 0.5556,

0.3913

0.4444

324.2550, 0.3804,
0.3879

0.0000, 0.0000,
0.0000

49.3901, 0.4340,
0.4308

49.3901, 0.4340,
0.4308

46.0430, 0.4543,
0.4407

53.0361, 0.4126,
0.4174

42.9732, 0.4726,
0.4460

56.9869, 0.3912,
0.4016

40.1658, 0.4878,
0.4461

61.2566, 0.3704,
0.3846

38.2715, 0.4970,
0.4435

65.8563, 0.3510,
0.3671

70.7960, 0.3331,
0.3499

■ 76.0854, 0.3169,
0.3334

■ 81.7338, 0.3023,
0.3178

■ 86.9258, 0.2962,
0.3153

■ 91.6638, 0.2963,
0.3233

Harmonies

Analogous

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



49.3901, 0.4600, 0.3791



49.3901, 0.4340, 0.4308



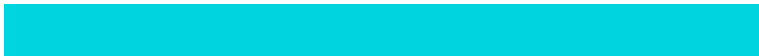
49.3901, 0.3767, 0.4636

Triad

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



49.3901, 0.4340, 0.4308



49.3901, 0.1979, 0.3133



49.3901, 0.3054, 0.2363

Complementary

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



49.3901, 0.4340, 0.4308



24.5799, 0.2059, 0.1926

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.



49.3901, 0.2399, 0.2175



49.3901, 0.4340, 0.4308



49.3901, 0.1841, 0.2528

Square

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



49.3901, 0.4340, 0.4308



49.3901, 0.2406, 0.3921



49.3901, 0.1985, 0.2216



49.3901, 0.3816, 0.2740

Rectangle

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



49.3901, 0.4340, 0.4308



49.3901, 0.3298, 0.4626



49.3901, 0.1985, 0.2216



49.3901, 0.2814, 0.2277

Sweetspot

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



49.3925, 0.4340, 0.4308



87.1244, 0.3443, 0.3609



24.7402, 0.4403, 0.2749



18.2638, 0.3496, 0.3658



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.



49.3925, 0.4340, 0.4308



58.2242, 0.4596, 0.4426



69.3507, 0.3834, 0.4835



15.9419, 0.3276, 0.3444



22.3255, 0.4955, 0.4447



1.8209, 0.4816, 0.4558

Inverse Universe

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



24.5799, 0.2059, 0.1926



24.0765, 0.1870, 0.1606



15.1868, 0.2047, 0.1337



14.6905, 0.2981, 0.3131



6.5894, 0.1641, 0.1108



0.6548, 0.1722, 0.1400

Previews

White Background



This preview shows how the Yxy color 49.3901, 0.4340, 0.4308 looks on a white background.

Color Contrast Check

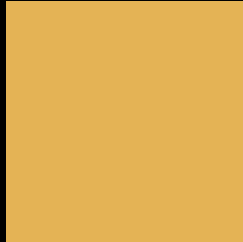
Large Text (above 18pt) WCAG AA × Fail

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 49.3901, 0.4340, 0.4308 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 49.3901, 0.4340, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 49.3901, 0.4340, 0.4308.



This preview shows how white text looks on a background with the Yxy color 49.3901, 0.4340, 0.4308.

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

49.3901, 0.4340, 0.4308

Protanopia

49.4942, 0.4078, 0.4463

Deuteranopia

49.4856, 0.4374, 0.4285



Tritanopia

49.5450, 0.3640, 0.3157

Trichromacy



Original Color

49.3901, 0.4340, 0.4308

Protanomaly

49.3999, 0.4178, 0.4406

Deuteranomaly

49.3197, 0.4365, 0.4289

Tritanomaly

49.2861, 0.3925, 0.3600

Monochromacy



Original Color

49.3901, 0.4340, 0.4308

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.7046, 0.3568, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3901, 0.4340, 0.4308 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(228, 179, 85)` looks like.

```
.text, #text, p{  
    color:rgb(228, 179, 85)  
}
```

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(228, 179, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 179, 85) }
```

Border

The CSS property to change the border of an element to Yxy 49.3901, 0.4340, 0.4308 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(228, 179, 85) }
```

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

```
.border{ border-color:rgb(228, 179, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 179, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 179, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 179, 85);  
box-shadow:4px 4px 4px 4px rgb(228, 179,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3901, 0.4340, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 179, 85) }
```

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

```
.background{ background-color: rgb(228,  
179, 85) }
```

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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