

Converting Colors

$Y_{xy}(49.7385, 0.4406, 0.4284)$

Have a look what the booklet for
Yxy(49.7385, 0.4406, 0.4284)
contains.

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Color

Yxy(49.8045, 0.4398, 0.4285)

Conversions

Conversions Part 1

Format	Color
Hex	E9B254
RGB	233, 178, 84
RGB Percent	91%, 70%, 33%
CMY	0.0864, 0.3019, 0.6706
CMYK	0.00, 0.24, 0.64, 0.09
HSL	38°, 77%, 62%
HSV	38°, 64%, 91%
XYZ	51.1179, 49.8045, 15.3075
YIQ	183.7290, 62.9540, -17.5740

Conversions

Conversions Part 2

Format	Color
RYB	171, 233, 84
Decimal	15315540
CIELab	75.95, 10.28, 54.54
CIELCh	76, 55.499, 79.325
Yxy	49.8045, 0.4398, 0.4285
Android (android.graphics.Color)	4293505620 (0xFFE9B254)
YUV	183.7290, -49.1664, 43.2107
Hunter-Lab	70.5723, 5.7920, 36.5403

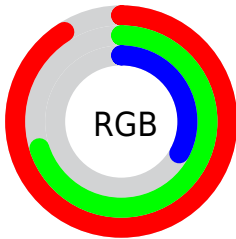
Details

The Yxy color **49.8045, 0.4398, 0.4285** is a light color, and the websafe version is hex **FFCC66**.

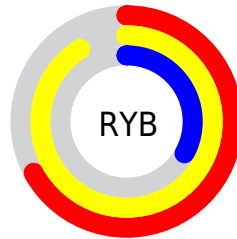
The color can be described as light muted orange. A complement of this color would be **26.2199, 0.2051, 0.1950**, and the grayscale version is **48.0266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9118, 0.3903, 0.4253**, and **24.0193, 0.4678, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **46.1865, 0.4611, 0.4374**, and if you desaturate by 10%, it is **53.7630, 0.4174, 0.4160**.

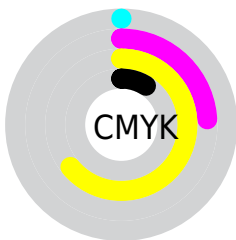
Distribution



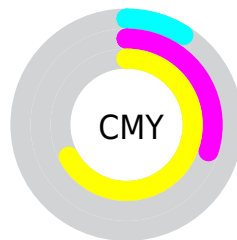
- Red (91%)
- Green (70%)
- Blue (33%)



- Red (67%)
- Yellow (91%)
- Blue (33%)



- Cyan (0%)
- Magenta (24%)
- Yellow (64%)
- Black (9%)




- Cyan (9%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8045, 0.4398, 0.4285 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 49.8045, 0.4398, 0.4285 by changing the saturation by 10% instead.


 49.8045, 0.4398,
0.4285

 49.8045, 0.4398,
0.4285


385.9009, 0.3798,
0.3843


 35.2581, 0.4528,
0.4371


 89.8851, 0.4193,
0.4141


 23.8617, 0.4680,
0.4465


 116.1882, 0.4112,
0.4082


 15.2311, 0.4856,
0.4562


 147.1788, 0.4042,
0.4030

 8.9817, 0.5069,
0.4661

 183.2416, 0.3980,
0.3984

 4.7293, 0.5287,
0.4713

 224.7608, 0.3926,
0.3942

 2.0893, 0.5412,
0.4588

272.1208, 0.3879,

 0.6586, 0.5712,

0.3906

0.4288

325.7060, 0.3836,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 49.8045, 0.4398,
0.4285

■ 49.8045, 0.4398,
0.4285

■ 46.1865, 0.4611,
0.4374

■ 53.7630, 0.4174,
0.4160

■ 42.8852, 0.4802,
0.4415

■ 58.0694, 0.3952,
0.4010

■ 39.8838, 0.4962,
0.4403

■ 62.7394, 0.3737,
0.3846

■ 38.1949, 0.5045,
0.4376

■ 67.7854, 0.3537,
0.3678

■ 73.2189, 0.3353,
0.3511

■ 79.0509, 0.3188,
0.3351

■ 85.2917, 0.3039,
0.3200

■ 90.9205, 0.2993,
0.3208

■ 96.0586, 0.2993,
0.3290

Harmonies

Analogous

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



49.8045, 0.4632, 0.3750



49.8045, 0.4398, 0.4285



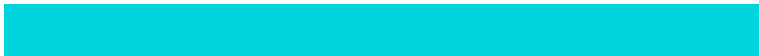
49.8045, 0.3832, 0.4648

Triad

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



49.8045, 0.4398, 0.4285



49.8045, 0.1982, 0.3191



49.8045, 0.2989, 0.2324

Complementary

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



49.8045, 0.4398, 0.4285



26.2199, 0.2051, 0.1950

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.



49.8045, 0.2340, 0.2149



49.8045, 0.4398, 0.4285



49.8045, 0.1820, 0.2551

Square

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



49.8045, 0.4398, 0.4285



49.8045, 0.2438, 0.4000



49.8045, 0.1943, 0.2211



49.8045, 0.3768, 0.2693

Rectangle

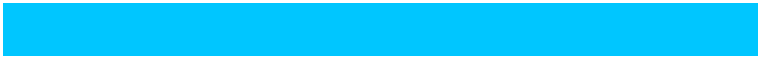
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8045, 0.4398, 0.4285



49.8045, 0.3359, 0.4670



49.8045, 0.1943, 0.2211



49.8045, 0.2750, 0.2242

Sweetspot

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



49.8069, 0.4398, 0.4285



86.3850, 0.3446, 0.3596



25.5867, 0.4370, 0.2689



18.0843, 0.3499, 0.3644



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.



49.8069, 0.4398, 0.4285



55.2610, 0.4680, 0.4393



73.4377, 0.3881, 0.4837



16.6386, 0.3277, 0.3438



21.9236, 0.5028, 0.4389



1.9043, 0.4882, 0.4506

Inverse Universe

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



26.2199, 0.2051, 0.1950



24.3939, 0.1862, 0.1624



15.0123, 0.1990, 0.1283



15.4590, 0.2980, 0.3137



7.3274, 0.1660, 0.1177



0.7538, 0.1737, 0.1453

Previews

White Background



This preview shows how the Yxy color 49.8045, 0.4398, 0.4285 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 49.8045, 0.4398, 0.4285 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 49.8045, 0.4398, 0.4285

Background



This preview shows how black text looks on a background with the Yxy color 49.8045, 0.4398, 0.4285.



This preview shows how white text looks on a background with the Yxy color 49.8045, 0.4398, 0.4285.

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

49.8045, 0.4398, 0.4285

Protanopia

50.0645, 0.4080, 0.4468

Deuteranopia

49.6367, 0.4390, 0.4289



Tritanopia

49.8258, 0.3688, 0.3159

Trichromacy



Original Color

49.8045, 0.4398, 0.4285

Protanomaly

49.7046, 0.4196, 0.4397

Deuteranomaly

49.6367, 0.4390, 0.4289

Tritanomaly

49.5539, 0.3976, 0.3596

Monochromacy



Original Color

49.8045, 0.4398, 0.4285

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.1506, 0.3587, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8045, 0.4398, 0.4285 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(233, 178, 84)` looks like.

```
.text, #text, p{  
    color:rgb(233, 178, 84)  
}
```

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(233, 178, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 178, 84) }
```

Border

The CSS property to change the border of an element to Yxy 49.8045, 0.4398, 0.4285 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(233, 178, 84) }
```

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

```
.border{ border-color:rgb(233, 178, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 178, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 178, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 178, 84);  
box-shadow:4px 4px 4px 4px rgb(233, 178,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8045, 0.4398, 0.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 178, 84) }
```

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

```
.background{ background-color: rgb(233,  
178, 84) }
```

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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