

Converting Colors

$Y_{xy}(49.5840, 0.4106, 0.4324)$

Have a look what the booklet for
Yxy(49.5840, 0.4106, 0.4324)
contains.

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Color

Yxy(49.4033, 0.4109, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	D6B85F
RGB	214, 184, 95
RGB Percent	84%, 72%, 37%
CMY	0.1608, 0.2784, 0.6274
CMYK	0.00, 0.14, 0.56, 0.16
HSL	45°, 59%, 61%
HSV	45°, 56%, 84%
XYZ	46.9360, 49.4033, 17.8880
YIQ	182.8240, 46.4490, -21.3190

Conversions

Conversions Part 2

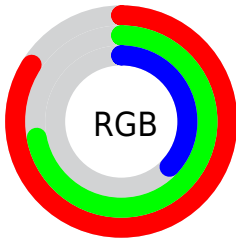
Format	Color
RYB	135, 214, 95
Decimal	14071903
CIELab	75.70, -0.06, 48.57
CIELCh	76, 48.568, 90.067
Yxy	49.4033, 0.4109, 0.4325
Android (android.graphics.Color)	4292261983 (0xFFD6B85F)
YUV	182.8240, -43.2972, 27.3414
Hunter-Lab	70.2875, -3.8058, 34.1121

Details

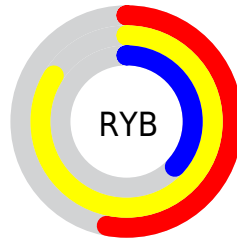
The Yxy color **49.4033, 0.4109, 0.4325** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.9510, 0.2146, 0.1947**, and the grayscale version is **47.4759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7183, 0.3812, 0.4203**, and **23.5825, 0.4338, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **46.8705, 0.4287, 0.4466**, and if you desaturate by 10%, it is **52.1331, 0.3921, 0.4156**.

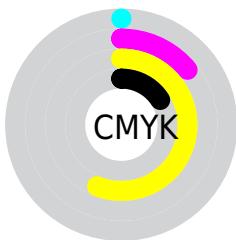
Distribution



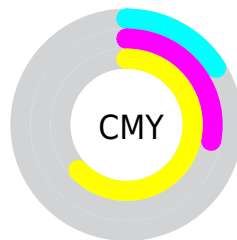
- Red (84%)
- Green (72%)
- Blue (37%)



- Red (53%)
- Yellow (84%)
- Blue (37%)



- Cyan (0%)
- Magenta (14%)
- Yellow (56%)
- Black (16%)





- Cyan (16%)
- Magenta (28%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4033, 0.4109, 0.4325 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 49.4033, 0.4109, 0.4325 by changing the saturation by 10% instead.


 49.4033, 0.4109,
0.4325


 49.4033, 0.4109,
0.4325


384.3279, 0.3645,
0.3836


 34.9395, 0.4211,
0.4432


 89.2901, 0.3950,
0.4157

 23.6163, 0.4330,
0.4559


 115.4820, 0.3887,
0.4091

 15.0492, 0.4471,
0.4707


 146.3520, 0.3833,
0.4034

 8.8539, 0.4628,
0.4873

 182.2845, 0.3785,
0.3984

 4.6460, 0.4871,
0.5129

223.6640, 0.3744,
0.3940

 2.0411, 0.4870,
0.5130

270.8747, 0.3707,

 0.6312, 0.4867,

0.3901

0.5133

324.3013, 0.3674,
0.3867

0.0000, 0.0000,
0.0000

49.4033, 0.4109,
0.4325

49.4033, 0.4109,
0.4325

46.8705, 0.4287,
0.4466

52.1331, 0.3921,
0.4156

44.5177, 0.4448,
0.4569

55.0616, 0.3733,
0.3970

42.3359, 0.4583,
0.4626

58.1995, 0.3549,
0.3776

40.3112, 0.4688,
0.4634

61.5542, 0.3374,
0.3581

39.4607, 0.4728,
0.4628

65.1327, 0.3212,
0.3392

■ 68.9416, 0.3064,
0.3212

■ 72.9873, 0.2929,
0.3043

■ 76.5335, 0.2870,
0.2997

■ 79.5322, 0.2873,
0.3055

Harmonies

Analogous

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



49.4033, 0.4427, 0.3896



49.4033, 0.4109, 0.4325



49.4033, 0.3544, 0.4512

Triad

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



49.4033, 0.4109, 0.4325



49.4033, 0.2024, 0.2984



49.4033, 0.3253, 0.2527

Complementary

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



49.4033, 0.4109, 0.4325



21.9510, 0.2146, 0.1947

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.



49.4033, 0.2617, 0.2301



49.4033, 0.4109, 0.4325



49.4033, 0.1967, 0.2502

Square

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



49.4033, 0.4109, 0.4325



49.4033, 0.2348, 0.3661



49.4033, 0.2170, 0.2282



49.4033, 0.3919, 0.2913

Rectangle

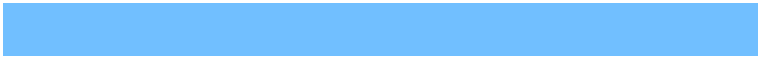
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4033, 0.4109, 0.4325



49.4033, 0.3112, 0.4406



49.4033, 0.2170, 0.2282



49.4033, 0.3027, 0.2431

Sweetspot

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



49.4056, 0.4109, 0.4325



90.7432, 0.3401, 0.3611



24.0049, 0.4326, 0.2914



19.2026, 0.3436, 0.3651



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.



49.4056, 0.4109, 0.4325



68.9635, 0.4322, 0.4491



59.3833, 0.3694, 0.4726



13.9653, 0.3273, 0.3463



24.0268, 0.4718, 0.4636



1.5773, 0.4608, 0.4723

Inverse Universe

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



21.9510, 0.2146, 0.1947



24.3427, 0.1937, 0.1607



17.2328, 0.2272, 0.1607



12.5122, 0.2982, 0.3110



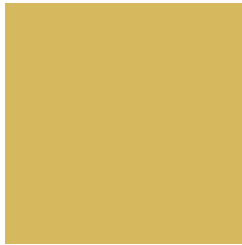
4.6661, 0.1584, 0.0901



0.4146, 0.1678, 0.1239

Previews

White Background



This preview shows how the Yxy color 49.4033, 0.4109, 0.4325 looks on a white background.

Color Contrast Check

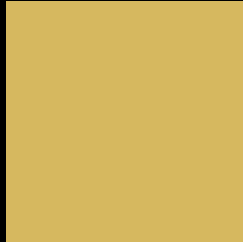
Large Text (above 18pt) WCAG AA × Fail

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 49.4033, 0.4109, 0.4325 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 49.4033, 0.4109, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 49.4033, 0.4109, 0.4325.



This preview shows how white text looks on a background with the Yxy color 49.4033, 0.4109, 0.4325.

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

49.4033, 0.4109, 0.4325

Protanopia

49.5070, 0.4009, 0.4378

Deuteranopia

49.3619, 0.4273, 0.4186



Tritanopia

49.3896, 0.3447, 0.3140

Trichromacy



Original Color

49.4033, 0.4109, 0.4325

Protanomaly

49.5176, 0.4043, 0.4356

Deuteranomaly

49.3343, 0.4221, 0.4235

Tritanomaly

49.2340, 0.3704, 0.3578

Monochromacy



Original Color

49.4033, 0.4109, 0.4325

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5707, 0.3486, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4033, 0.4109, 0.4325 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(214, 184, 95)` looks like.

```
.text, #text, p{  
    color:rgb(214, 184, 95)  
}
```

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(214, 184, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 184, 95) }
```

Border

The CSS property to change the border of an element to Yxy 49.4033, 0.4109, 0.4325 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(214, 184, 95) }
```

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

```
.border{ border-color:rgb(214, 184, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 184, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 184, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 184, 95);  
box-shadow:4px 4px 4px 4px rgb(214, 184,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4033, 0.4109, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 184, 95) }
```

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

```
.background{ background-color: rgb(214,  
184, 95) }
```

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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