

Converting Colors

$Yxy(49.2041, 0.4168, 0.4355)$

Have a look what the booklet for
Yxy(49.2041, 0.4168, 0.4355)
contains.

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Color

Yxy(49.2041, 0.4168, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	D8B75A
RGB	216, 183, 90
RGB Percent	85%, 72%, 35%
CMY	0.1531, 0.2823, 0.6471
CMYK	0.00, 0.15, 0.58, 0.15
HSL	44°, 62%, 60%
HSV	44°, 58%, 85%
XYZ	47.0913, 49.2041, 16.6876
YIQ	182.2650, 49.5210, -21.9270

Conversions

Conversions Part 2

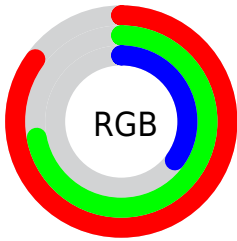
Format	Color
RYB	135, 216, 90
Decimal	14202714
CIELab	75.58, 0.91, 50.86
CIELCh	76, 50.871, 88.975
Yxy	49.2041, 0.4168, 0.4355
Android (android.graphics.Color)	4292392794 (0xFFD8B75A)
YUV	182.2650, -45.4866, 29.5856
Hunter-Lab	70.1456, -2.9213, 34.9969

Details

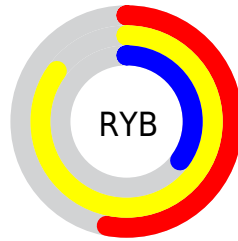
The Yxy color **49.2041, 0.4168, 0.4355** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.2843, 0.2100, 0.1887**, and the grayscale version is **47.1635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9762, 0.3846, 0.4241**, and **23.3743, 0.4401, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **46.6062, 0.4346, 0.4485**, and if you desaturate by 10%, it is **52.0071, 0.3979, 0.4194**.

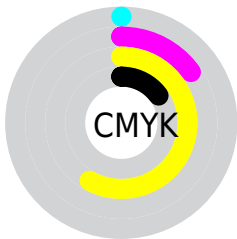
Distribution



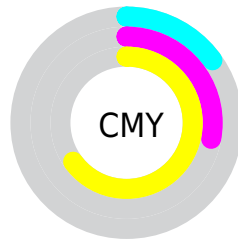
- Red (85%)
- Green (72%)
- Blue (35%)



- Red (53%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (58%)
- Black (15%)





- Cyan (15%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2041, 0.4168, 0.4355 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 49.2041, 0.4168, 0.4355 by changing the saturation by 10% instead.

 49.2041, 0.4168,
0.4355


 49.2041, 0.4168,
0.4355


383.5453, 0.3678,
0.3856


 34.7814, 0.4274,
0.4462


 88.9945, 0.4001,
0.4185


 23.4945, 0.4398,
0.4587


 115.1310, 0.3934,
0.4118

 14.9591, 0.4542,
0.4730


 145.9409, 0.3877,
0.4059

 8.7907, 0.4704,
0.4889

 181.8086, 0.3827,
0.4008

 4.6049, 0.4911,
0.5089

223.1185, 0.3783,
0.3963

 2.0174, 0.4923,
0.5077

270.2550, 0.3744,

 0.6175, 0.4966,

0.3923

0.5034

323.6024, 0.3709,
0.3888

0.0000, 0.0000,
0.0000

49.2041, 0.4168,
0.4355

49.2041, 0.4168,
0.4355

46.6062, 0.4346,
0.4485

52.0071, 0.3979,
0.4194

44.1956, 0.4504,
0.4574

55.0177, 0.3788,
0.4014

41.9625, 0.4635,
0.4616

58.2467, 0.3600,
0.3823

39.8891, 0.4736,
0.4611

61.7021, 0.3422,
0.3630

39.5537, 0.4752,
0.4608

65.3914, 0.3255,
0.3441

■ 69.3215, 0.3103,
0.3261

■ 73.4990, 0.2964,
0.3091

■ 77.4192, 0.2883,
0.3010

■ 80.5827, 0.2886,
0.3070

Harmonies

Analogous

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



49.2041, 0.4493, 0.3897



49.2041, 0.4168, 0.4355



49.2041, 0.3582, 0.4573

Triad

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



49.2041, 0.4168, 0.4355



49.2041, 0.1984, 0.2988



49.2041, 0.3231, 0.2483

Complementary

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



49.2041, 0.4168, 0.4355



21.2843, 0.2100, 0.1887

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.



49.2041, 0.2571, 0.2256



49.2041, 0.4168, 0.4355



49.2041, 0.1916, 0.2478

Square

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



49.2041, 0.4168, 0.4355



49.2041, 0.2329, 0.3706



49.2041, 0.2116, 0.2242



49.2041, 0.3935, 0.2878

Rectangle

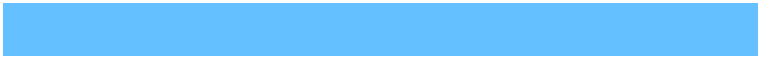
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2041, 0.4168, 0.4355



49.2041, 0.3132, 0.4478



49.2041, 0.2116, 0.2242



49.2041, 0.2995, 0.2386

Sweetspot

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



49.2064, 0.4168, 0.4355



90.4926, 0.3402, 0.3607



23.3516, 0.4420, 0.2901



19.1431, 0.3437, 0.3646



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.



49.2064, 0.4168, 0.4355



67.0494, 0.4385, 0.4510



60.3462, 0.3713, 0.4790



13.9445, 0.3273, 0.3461



23.6028, 0.4742, 0.4617



1.5547, 0.4627, 0.4708

Inverse Universe

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



21.2843, 0.2100, 0.1887



22.9914, 0.1895, 0.1546



16.2184, 0.2221, 0.1519



12.5317, 0.2982, 0.3113



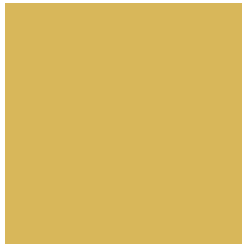
4.7880, 0.1589, 0.0921



0.4242, 0.1684, 0.1262

Previews

White Background



This preview shows how the Yxy color 49.2041, 0.4168, 0.4355 looks on a white background.

Color Contrast Check

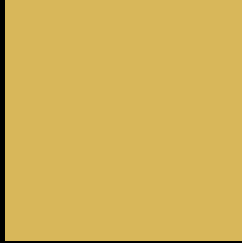
Large Text (above 18pt) WCAG AA × Fail

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 49.2041, 0.4168, 0.4355 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 49.2041, 0.4168, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 49.2041, 0.4168, 0.4355.



This preview shows how white text looks on a background with the Yxy color 49.2041, 0.4168, 0.4355.

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

49.2041, 0.4168, 0.4355

Protanopia

49.4178, 0.4043, 0.4429

Deuteranopia

49.0226, 0.4332, 0.4227



Tritanopia

48.8975, 0.3478, 0.3129

Trichromacy



Original Color

49.2041, 0.4168, 0.4355

Protanomaly

49.5748, 0.4086, 0.4401

Deuteranomaly

49.0031, 0.4272, 0.4267

Tritanomaly

48.6572, 0.3757, 0.3589

Monochromacy



Original Color

49.2041, 0.4168, 0.4355

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.0952, 0.3505, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2041, 0.4168, 0.4355 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(216, 183, 90)` looks like.

```
.text, #text, p{  
    color:rgb(216, 183, 90)  
}
```

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(216, 183, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 183, 90) }
```

Border

The CSS property to change the border of an element to Yxy 49.2041, 0.4168, 0.4355 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(216, 183, 90) }
```

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

```
.border{ border-color:rgb(216, 183, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 183, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 183, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 183, 90);  
box-shadow:4px 4px 4px 4px rgb(216, 183,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2041, 0.4168, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 183, 90) }
```

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

```
.background{ background-color: rgb(216,  
183, 90) }
```

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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