

Converting Colors

$Y_{xy}(49.7643, 0.4165, 0.4412)$

Have a look what the booklet for
Yxy(49.7643, 0.4165, 0.4412)
contains.

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Color

Yxy(49.8331, 0.4165, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	D7B957
RGB	215, 185, 87
RGB Percent	84%, 73%, 34%
CMY	0.1568, 0.2745, 0.6589
CMYK	0.00, 0.14, 0.60, 0.16
HSL	46°, 62%, 59%
HSV	46°, 60%, 84%
XYZ	47.0966, 49.8331, 16.1474
YIQ	182.7980, 49.3380, -24.1180

Conversions

Conversions Part 2

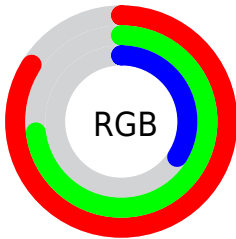
Format	Color
RYB	126, 215, 87
Decimal	14137687
CIELab	75.97, -0.75, 52.70
CIELCh	76, 52.706, 90.815
Yxy	49.8331, 0.4165, 0.4407
Android (android.graphics.Color)	4292327767 (0xFFD7B957)
YUV	182.7980, -47.2284, 28.2412
Hunter-Lab	70.5926, -4.4487, 35.8527

Details

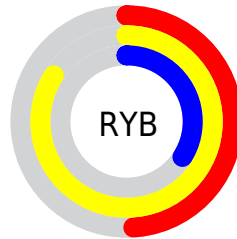
The Yxy color **49.8331, 0.4165, 0.4407** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **19.6531, 0.2067, 0.1801**, and the grayscale version is **47.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0640, 0.3855, 0.4285**, and **23.7861, 0.4388, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **47.4631, 0.4331, 0.4537**, and if you desaturate by 10%, it is **52.3873, 0.3985, 0.4245**.

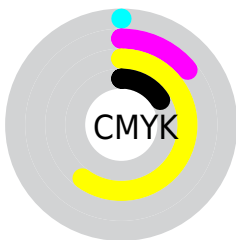
Distribution



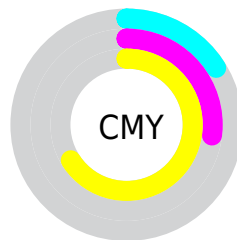
- Red (84%)
- Green (73%)
- Blue (34%)



- Red (49%)
- Yellow (84%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (16%)





- Cyan (16%)
- Magenta (27%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8331, 0.4165, 0.4407 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 49.8331, 0.4165, 0.4407 by changing the saturation by 10% instead.

 49.8331, 0.4165,
0.4407

 49.8331, 0.4165,
0.4407


386.0129, 0.3681,
0.3884

 35.2808, 0.4268,
0.4519


 89.9275, 0.4001,
0.4229

 23.8793, 0.4387,
0.4649


 116.2385, 0.3936,
0.4159

 15.2441, 0.4522,
0.4798


 147.2377, 0.3879,
0.4097

 8.9909, 0.4674,
0.4967

 183.3097, 0.3829,
0.4044

 4.7352, 0.4842,
0.5158

224.8389, 0.3785,
0.3996

 2.0928, 0.4832,
0.5168

272.2095, 0.3746,

 0.6606, 0.4799,

0.3954

0.5201

325.8060, 0.3712,
0.3917

0.0000, 0.0000,
0.0000

49.8331, 0.4165,
0.4407

49.8331, 0.4165,
0.4407

47.4631, 0.4331,
0.4537

52.3873, 0.3985,
0.4245

45.2597, 0.4475,
0.4625

55.1277, 0.3800,
0.4061

43.2132, 0.4592,
0.4665

58.0650, 0.3617,
0.3865

41.3035, 0.4681,
0.4663

61.2069, 0.3440,
0.3666

41.2196, 0.4684,
0.4662

64.5605, 0.3274,
0.3470

■ 68.1324, 0.3121,
0.3282

■ 71.9290, 0.2980,
0.3104

■ 75.6967, 0.2876,
0.2978

■ 78.4678, 0.2878,
0.3032

Harmonies

Analogous

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



49.8331, 0.4523, 0.3942



49.8331, 0.4165, 0.4407



49.8331, 0.3551, 0.4616

Triad

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



49.8331, 0.4165, 0.4407



49.8331, 0.1940, 0.2936



49.8331, 0.3279, 0.2481

Complementary

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



49.8331, 0.4165, 0.4407



19.6531, 0.2067, 0.1801

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.



49.8331, 0.2590, 0.2237



49.8331, 0.4165, 0.4407



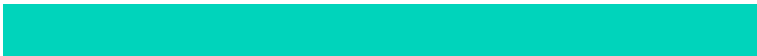
49.8331, 0.1889, 0.2430

Square

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



49.8331, 0.4165, 0.4407



49.8331, 0.2275, 0.3671



49.8331, 0.2110, 0.2207



49.8331, 0.4000, 0.2894

Rectangle

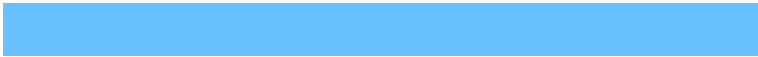
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8331, 0.4165, 0.4407



49.8331, 0.3086, 0.4499



49.8331, 0.2110, 0.2207



49.8331, 0.3034, 0.2378

Sweetspot

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



49.8355, 0.4165, 0.4407



90.7140, 0.3417, 0.3639



22.5937, 0.4495, 0.2922



19.1163, 0.3467, 0.3697



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.



49.8355, 0.4165, 0.4407



69.1191, 0.4364, 0.4559



59.3657, 0.3704, 0.4827



14.0034, 0.3272, 0.3467



24.8192, 0.4676, 0.4670



1.6193, 0.4575, 0.4749

Inverse Universe

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



19.6531, 0.2067, 0.1801



21.2557, 0.1864, 0.1459



15.6405, 0.2217, 0.1489



12.4765, 0.2982, 0.3106



4.4557, 0.1574, 0.0866



0.3976, 0.1666, 0.1199

Previews

White Background



This preview shows how the Yxy color 49.8331, 0.4165, 0.4407 looks on a white background.

Color Contrast Check

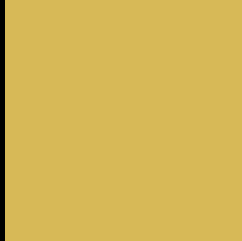
Large Text (above 18pt) WCAG AA × Fail

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 49.8331, 0.4165, 0.4407 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 49.8331, 0.4165, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 49.8331, 0.4165, 0.4407.

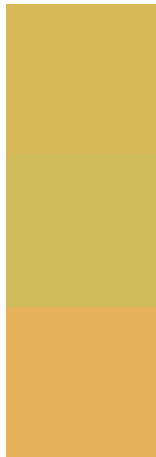


This preview shows how white text looks on a background with the Yxy color 49.8331, 0.4165, 0.4407.

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

49.8331, 0.4165, 0.4407

Protanopia

50.0809, 0.4074, 0.4459

Deuteranopia

49.5510, 0.4347, 0.4251



Tritanopia

49.7502, 0.3456, 0.3129

Trichromacy



Original Color

49.8331, 0.4165, 0.4407

Protanomaly

50.0941, 0.4108, 0.4435

Deuteranomaly

49.7599, 0.4278, 0.4314

Tritanomaly

49.4473, 0.3749, 0.3612

Monochromacy



Original Color

49.8331, 0.4165, 0.4407

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0212, 0.3517, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8331, 0.4165, 0.4407 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(215, 185, 87)` looks like.

```
.text, #text, p{  
    color:rgb(215, 185, 87)  
}
```

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(215, 185, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 185, 87) }
```

Border

The CSS property to change the border of an element to Yxy 49.8331, 0.4165, 0.4407 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(215, 185, 87) }
```

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

```
.border{ border-color:rgb(215, 185, 87) }
```

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

Here you see how a box with a 4 pixel rgb(215, 185, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 185, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 185, 87);  
box-shadow:4px 4px 4px 4px rgb(215, 185,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8331, 0.4165, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 185, 87) }
```

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

```
.background{ background-color: rgb(215,  
185, 87) }
```

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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