

Converting Colors

$Y_{xy}(48.9239, 0.4040, 0.4170)$

Have a look what the booklet for
Yxy(48.9239, 0.4040, 0.4170)
contains.

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Color

Yxy(48.9857, 0.4036, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	D7B66C
RGB	215, 182, 108
RGB Percent	84%, 71%, 42%
CMY	0.1569, 0.2862, 0.5765
CMYK	0.00, 0.15, 0.50, 0.16
HSL	42°, 57%, 63%
HSV	42°, 50%, 84%
XYZ	47.4571, 48.9857, 21.1417
YIQ	183.4310, 43.4220, -16.0180

Conversions

Conversions Part 2

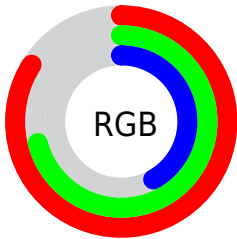
Format	Color
RYB	156, 215, 108
Decimal	14136940
CIELab	75.44, 2.52, 41.85
CIELCh	75, 41.922, 86.558
Yxy	48.9857, 0.4036, 0.4166
Android (android.graphics.Color)	4292327020 (0xFFD7B66C)
YUV	183.4310, -37.1875, 27.6860
Hunter-Lab	69.9898, -1.4489, 31.0832

Details

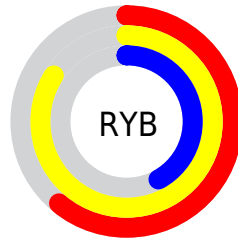
The Yxy color **48.9857, 0.4036, 0.4166** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.1395, 0.2271, 0.2204**, and the grayscale version is **47.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9823, 0.3740, 0.4062**, and **23.2751, 0.4263, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **45.9343, 0.4239, 0.4315**, and if you desaturate by 10%, it is **52.2831, 0.3833, 0.3997**.

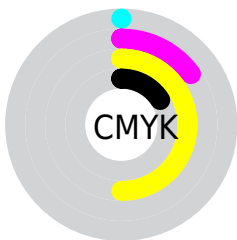
Distribution



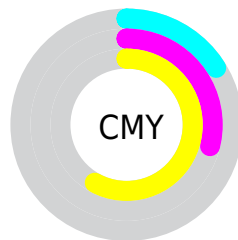
- Red (84%)
- Green (71%)
- Blue (42%)



- Red (61%)
- Yellow (84%)
- Blue (42%)



- Cyan (0%)
- Magenta (15%)
- Yellow (50%)
- Black (16%)




- Cyan (16%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9857, 0.4036, 0.4166 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 48.9857, 0.4036, 0.4166 by changing the saturation by 10% instead.

 48.9857, 0.4036,
0.4166


 48.9857, 0.4036,
0.4166

382.6860, 0.3598,
0.3749


 34.6081, 0.4136,
0.4259


 88.6702, 0.3883,
0.4022

 23.3612, 0.4258,
0.4372


 114.7460, 0.3823,
0.3965

 14.8604, 0.4407,
0.4507


 145.4899, 0.3772,
0.3916

 8.7215, 0.4587,
0.4665

 181.2864, 0.3728,
0.3874

 4.5600, 0.4902,
0.4945

222.5198, 0.3689,
0.3837

 1.9915, 0.5011,
0.4989

269.5747, 0.3655,

 0.6025, 0.5128,

0.3804

0.4872

322.8353, 0.3625,
0.3775

0.0000, 0.0000,
0.0000

48.9857, 0.4036,
0.4166

48.9857, 0.4036,
0.4166

45.9343, 0.4239,
0.4315

52.2831, 0.3833,
0.3997

43.1118, 0.4432,
0.4432

55.8288, 0.3636,
0.3817

40.5089, 0.4607,
0.4507

59.6338, 0.3451,
0.3635

38.1126, 0.4753,
0.4532

63.7062, 0.3280,
0.3457

35.9008, 0.4871,
0.4513

68.0535, 0.3124,
0.3286

■ 35.8502, 0.4874,
0.4512

■ 72.6829, 0.2983,
0.3126

■ 77.3741, 0.2877,
0.3011

■ 81.0995, 0.2880,
0.3082

■ 84.9662, 0.2883,
0.3152

Harmonies

Analogous

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



48.9857, 0.4270, 0.3787



48.9857, 0.4036, 0.4166



48.9857, 0.3565, 0.4342

Triad

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



48.9857, 0.4036, 0.4166



48.9857, 0.2181, 0.3097



48.9857, 0.3172, 0.2585

Complementary

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



48.9857, 0.4036, 0.4166



27.1395, 0.2271, 0.2204

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.



48.9857, 0.2628, 0.2405



48.9857, 0.4036, 0.4166



48.9857, 0.2098, 0.2646

Square

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



48.9857, 0.4036, 0.4166



48.9857, 0.2499, 0.3682



48.9857, 0.2253, 0.2416



48.9857, 0.3753, 0.2917

Rectangle

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



48.9857, 0.4036, 0.4166



48.9857, 0.3190, 0.4272



48.9857, 0.2253, 0.2416



48.9857, 0.2978, 0.2506

Sweetspot

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



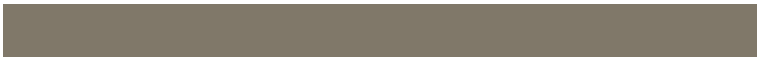
48.9880, 0.4036, 0.4166



90.4828, 0.3370, 0.3552



27.1210, 0.4064, 0.2881



19.0966, 0.3407, 0.3590



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.



48.9880, 0.4036, 0.4166



67.2501, 0.4255, 0.4326



61.3311, 0.3692, 0.4565



13.8438, 0.3274, 0.3451



21.6407, 0.4861, 0.4522



1.4490, 0.4718, 0.4636

Inverse Universe

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



27.1395, 0.2271, 0.2204



31.5923, 0.2082, 0.1917



20.1913, 0.2333, 0.1780



12.6269, 0.2982, 0.3124



5.4507, 0.1619, 0.1027



0.4742, 0.1716, 0.1377

Previews

White Background



This preview shows how the Yxy color 48.9857, 0.4036, 0.4166 looks on a white background.

Color Contrast Check

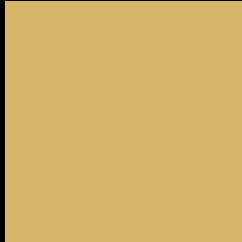
Large Text (above 18pt) WCAG AA × Fail

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 48.9857, 0.4036, 0.4166 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 48.9857, 0.4036, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 48.9857, 0.4036, 0.4166.



This preview shows how white text looks on a background with the Yxy color 48.9857, 0.4036, 0.4166.

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

48.9857, 0.4036, 0.4166

Protanopia

49.0593, 0.3904, 0.4235

Deuteranopia

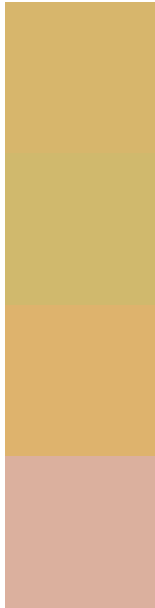
48.7172, 0.4161, 0.4066



Tritanopia

48.9619, 0.3458, 0.3139

Trichromacy



Original Color

48.9857, 0.4036, 0.4166

Protanomaly

49.2119, 0.3946, 0.4211

Deuteranomaly

48.8739, 0.4111, 0.4100

Tritanomaly

48.5794, 0.3675, 0.3507

Monochromacy



Original Color

48.9857, 0.4036, 0.4166

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8694, 0.3453, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9857, 0.4036, 0.4166 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, 182, 108)` looks like.

```
.text, #text, p{  
    color:rgb(215, 182, 108)  
}
```

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, 182, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 182, 108) }
```

Border

The CSS property to change the border of an element to Yxy 48.9857, 0.4036, 0.4166 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, 182, 108) }
```

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

```
.border{ border-color:rgb(215, 182, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 182, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 182, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 182, 108);  
box-shadow:4px 4px 4px 4px rgb(215, 182,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9857, 0.4036, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 182, 108) }
```

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

```
.background{ background-color: rgb(215,  
182, 108) }
```

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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