

Converting Colors

$Y_{xy}(49.7243, 0.4014, 0.4162)$

Have a look what the booklet for
Yxy(49.7243, 0.4014, 0.4162)
contains.

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Color

Yxy(49.8538, 0.4009, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	D7B86E
RGB	215, 184, 110
RGB Percent	84%, 72%, 43%
CMY	0.1569, 0.2784, 0.5687
CMYK	0.00, 0.14, 0.49, 0.16
HSL	42°, 57%, 64%
HSV	42°, 49%, 84%
XYZ	47.9750, 49.8538, 21.8395
YIQ	184.8330, 42.2300, -16.4420

Conversions

Conversions Part 2

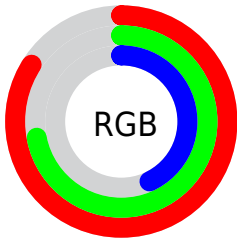
Format	Color
RYB	154, 215, 110
Decimal	14137454
CIELab	75.98, 1.64, 41.51
CIElCh	76, 41.544, 87.738
Yxy	49.8538, 0.4009, 0.4166
Android (android.graphics.Color)	4292327534 (0xFFD7B86E)
YUV	184.8330, -36.8927, 26.4565
Hunter-Lab	70.6072, -2.2785, 31.0861

Details

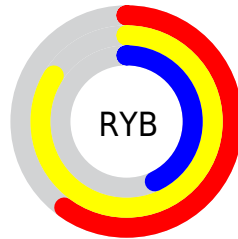
The Yxy color **49.8538, 0.4009, 0.4166** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.2547, 0.2284, 0.2207**, and the grayscale version is **48.6088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2245, 0.3721, 0.4060**, and **23.8279, 0.4225, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **46.8674, 0.4208, 0.4320**, and if you desaturate by 10%, it is **53.0766, 0.3809, 0.3993**.

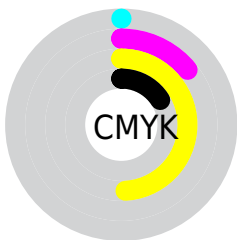
Distribution



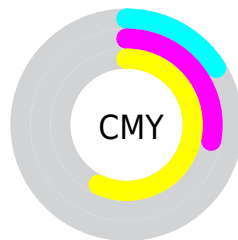
- Red (84%)
- Green (72%)
- Blue (43%)



- Red (60%)
- Yellow (84%)
- Blue (43%)



- Cyan (0%)
- Magenta (14%)
- Yellow (49%)
- Black (16%)





- Cyan (16%)
- Magenta (28%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8538, 0.4009, 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 49.8538, 0.4009, 0.4166 by changing the saturation by 10% instead.


 49.8538, 0.4009,
0.4166

 49.8538, 0.4009,
0.4166


386.0939, 0.3585,
0.3748

 35.2972, 0.4106,
0.4260


 89.9582, 0.3861,
0.4021

 23.8919, 0.4223,
0.4373


 116.2749, 0.3804,
0.3965

 15.2535, 0.4366,
0.4510


 147.2804, 0.3754,
0.3916

 8.9975, 0.4540,
0.4673

 183.3591, 0.3711,
0.3873

 4.7395, 0.4823,
0.4938

224.8954, 0.3674,
0.3836

 2.0953, 0.4962,
0.5038

272.2737, 0.3641,

 0.6620, 0.5027,

0.3804

0.4973

325.8784, 0.3611,
0.3775

0.0000, 0.0000,
0.0000

49.8538, 0.4009,
0.4166

49.8538, 0.4009,
0.4166

46.8674, 0.4208,
0.4320

53.0766, 0.3809,
0.3993

44.1004, 0.4398,
0.4442

56.5378, 0.3616,
0.3809

41.5441, 0.4568,
0.4524

60.2481, 0.3433,
0.3624

39.1858, 0.4712,
0.4557

64.2152, 0.3264,
0.3443

37.0062, 0.4826,
0.4543

68.4466, 0.3110,
0.3271

■ 36.7628, 0.4839,
0.4540

■ 72.9491, 0.2971,
0.3108

■ 77.3723, 0.2877,
0.3011

■ 80.9337, 0.2880,
0.3079

■ 84.6246, 0.2883,
0.3146

Harmonies

Analogous

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



49.8538, 0.4251, 0.3798



49.8538, 0.4009, 0.4166



49.8538, 0.3539, 0.4326

Triad

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



49.8538, 0.4009, 0.4166



49.8538, 0.2186, 0.3079



49.8538, 0.3194, 0.2605

Complementary

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



49.8538, 0.4009, 0.4166



27.2547, 0.2284, 0.2207

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.



49.8538, 0.2654, 0.2420



49.8538, 0.4009, 0.4166



49.8538, 0.2113, 0.2642

Square

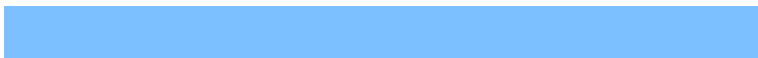
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.8538, 0.4009, 0.4166



49.8538, 0.2492, 0.3653



49.8538, 0.2275, 0.2424



49.8538, 0.3764, 0.2937

Rectangle

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



49.8538, 0.4009, 0.4166



49.8538, 0.3168, 0.4247



49.8538, 0.2275, 0.2424



49.8538, 0.3002, 0.2525

Sweetspot

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



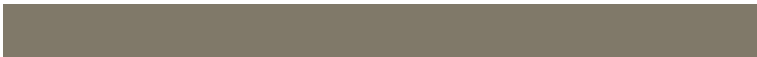
49.8562, 0.4009, 0.4166



90.7884, 0.3369, 0.3557



27.5295, 0.4061, 0.2909



19.1706, 0.3406, 0.3596



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.



49.8562, 0.4009, 0.4166



68.6722, 0.4222, 0.4330



61.1856, 0.3670, 0.4549



13.8725, 0.3274, 0.3454



22.1840, 0.4826, 0.4550



1.4785, 0.4692, 0.4657

Inverse Universe

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



27.2547, 0.2284, 0.2207



31.6678, 0.2093, 0.1918



20.8766, 0.2366, 0.1816



12.5997, 0.2982, 0.3121



5.2496, 0.1610, 0.0995



0.4594, 0.1707, 0.1343

Previews

White Background



This preview shows how the Yxy color 49.8538, 0.4009, 0.4166 looks on a white background.

Color Contrast Check

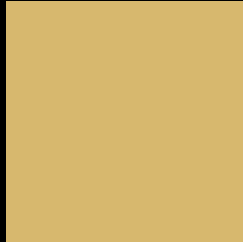
Large Text (above 18pt) WCAG AA × Fail

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 49.8538, 0.4009, 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 49.8538, 0.4009, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 49.8538, 0.4009, 0.4166.



This preview shows how white text looks on a background with the Yxy color 49.8538, 0.4009, 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

49.8538, 0.4009, 0.4166

Protanopia

50.0933, 0.3887, 0.4231

Deuteranopia

49.8819, 0.4150, 0.4061



Tritanopia

49.8204, 0.3437, 0.3140

Trichromacy



Original Color

49.8538, 0.4009, 0.4166

Protanomaly

50.2437, 0.3929, 0.4207

Deuteranomaly

49.8834, 0.4092, 0.4097

Tritanomaly

49.4389, 0.3651, 0.3506

Monochromacy



Original Color

49.8538, 0.4009, 0.4166

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.9023, 0.3440, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8538, 0.4009, 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, 184, 110)` looks like.

```
.text, #text, p{  
    color:rgb(215, 184, 110)  
}
```

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, 184, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 184, 110) }
```

Border

The CSS property to change the border of an element to Yxy 49.8538, 0.4009, 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, 184, 110) }
```

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

```
.border{ border-color:rgb(215, 184, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 184, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 184, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 184, 110);  
box-shadow:4px 4px 4px 4px rgb(215, 184,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8538, 0.4009, 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, 184, 110) }
```

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

```
.background{ background-color: rgb(215,  
184, 110) }
```

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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