

Converting Colors

$Y_{xy}(48.9615, 0.3771, 0.3751)$

Have a look what the booklet for
Yxy(48.9615, 0.3771, 0.3751)
contains.

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Color

Yxy(49.0426, 0.3766, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	D7B48E
RGB	215, 180, 142
RGB Percent	84%, 71%, 56%
CMY	0.1567, 0.2942, 0.4431
CMYK	0.00, 0.16, 0.34, 0.16
HSL	31°, 48%, 70%
HSV	31°, 34%, 84%
XYZ	49.2387, 49.0426, 32.4641
YIQ	186.1330, 33.0580, -4.3980

Conversions

Conversions Part 2

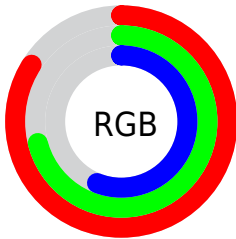
Format	Color
R _Y B	209, 215, 142
Decimal	14136462
CIE Lab	75.48, 7.27, 24.11
CIE LCh	75, 25.180, 73.225
Yxy	49.0426, 0.3766, 0.3751
Android (android.graphics.Color)	4292326542 (0xFFD7B48E)
YUV	186.1330, -21.7576, 25.3164
Hunter-Lab	70.0304, 2.9509, 21.5362

Details

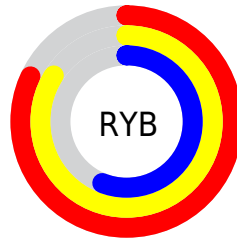
The Yxy color **49.0426, 0.3766, 0.3751** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **42.1307, 0.2582, 0.2778**, and the grayscale version is **49.2953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2364, 0.3518, 0.3693**, and **23.3050, 0.3948, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **44.4465, 0.4004, 0.3888**, and if you desaturate by 10%, it is **54.0782, 0.3550, 0.3611**.

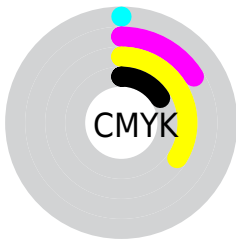
Distribution



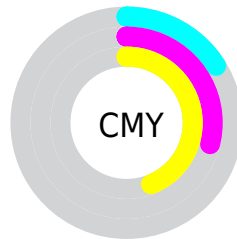
- Red (84%)
- Green (71%)
- Blue (56%)



- Red (82%)
- Yellow (84%)
- Blue (56%)



- Cyan (0%)
- Magenta (16%)
- Yellow (34%)
- Black (16%)





- Cyan (16%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0426, 0.3766, 0.3751 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 49.0426, 0.3766, 0.3751 by changing the saturation by 10% instead.


 49.0426, 0.3766,
0.3751


 49.0426, 0.3766,
0.3751


382.9100, 0.3449,
0.3530

 34.6533, 0.3843,
0.3803


 88.7547, 0.3652,
0.3673

 23.3959, 0.3942,
0.3867


 114.8463, 0.3609,
0.3643

 14.8861, 0.4070,
0.3948


145.6074, 0.3572,
0.3617

 8.7395, 0.4243,
0.4052

181.4225, 0.3540,
0.3595

 4.5717, 0.4485,
0.4187

222.6759, 0.3513,
0.3575

 1.9982, 0.5048,
0.4542

269.7520, 0.3489,

 0.6064, 0.5542,

0.3558

0.4458

323.0352, 0.3468,
0.3543

0.0000, 0.0000,
0.0000

49.0426, 0.3766,
0.3751

49.0426, 0.3766,
0.3751

44.4465, 0.4004,
0.3888

54.0782, 0.3550,
0.3611

40.2693, 0.4260,
0.4013

59.5597, 0.3358,
0.3472

36.4983, 0.4527,
0.4115


65.5018, 0.3188,
0.3340


33.1175, 0.4791,
0.4182


71.9164, 0.3040,
0.3216


30.1090, 0.5037,
0.4201


78.8149, 0.2910,
0.3101

 27.4526, 0.5249,
0.4166

 85.1320, 0.2883,
0.3154

 26.0037, 0.5363,
0.4124

 91.4486, 0.2888,
0.3261

 93.1943, 0.2889,
0.3289

Harmonies

Analogous

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



49.0426, 0.3811, 0.3498



49.0426, 0.3766, 0.3751



49.0426, 0.3545, 0.3898

Triad

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



49.0426, 0.3766, 0.3751



49.0426, 0.2616, 0.3337



49.0426, 0.3006, 0.2781

Complementary

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



49.0426, 0.3766, 0.3751



42.1307, 0.2582, 0.2778

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.



49.0426, 0.2703, 0.2723



49.0426, 0.3766, 0.3751



49.0426, 0.2489, 0.3021

Square

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



49.0426, 0.3766, 0.3751



49.0426, 0.2879, 0.3661



49.0426, 0.2520, 0.2803



49.0426, 0.3358, 0.2957

Rectangle

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



49.0426, 0.3766, 0.3751



49.0426, 0.3333, 0.3903



49.0426, 0.2520, 0.2803



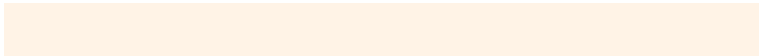
49.0426, 0.2895, 0.2747

Sweetspot

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



49.0449, 0.3766, 0.3751



90.9027, 0.3290, 0.3420



36.9889, 0.3537, 0.2864



19.1953, 0.3314, 0.3439



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.



49.0449, 0.3766, 0.3751



67.0509, 0.3941, 0.3854



64.8489, 0.3626, 0.4135



13.4784, 0.3278, 0.3411



15.7594, 0.5340, 0.4142



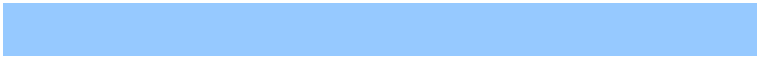
1.1159, 0.5089, 0.4341

Inverse Universe

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



42.1307, 0.2582, 0.2778



55.3499, 0.2460, 0.2643



30.1163, 0.2527, 0.2285



12.9824, 0.2982, 0.3166



8.9705, 0.1756, 0.1521



0.7063, 0.1845, 0.1843

Previews

White Background



This preview shows how the Yxy color 49.0426, 0.3766, 0.3751 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 49.0426, 0.3766, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

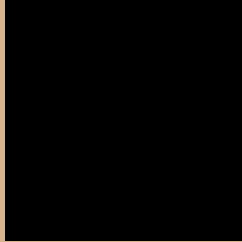
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0426, 0.3766, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 49.0426, 0.3766, 0.3751.



This preview shows how white text looks on a background with the Yxy color 49.0426, 0.3766, 0.3751.

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

49.0426, 0.3766, 0.3751

Protanopia

49.1679, 0.3563, 0.3812

Deuteranopia

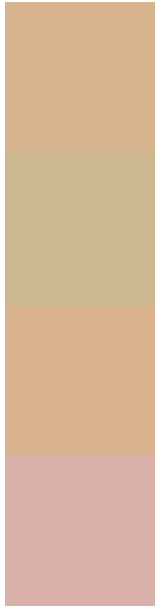
49.2533, 0.3807, 0.3734



Tritanopia

49.0756, 0.3429, 0.3139

Trichromacy



Original Color

49.0426, 0.3766, 0.3751

Protanomaly

49.1320, 0.3633, 0.3791

Deuteranomaly

49.0986, 0.3797, 0.3735

Tritanomaly

48.8964, 0.3549, 0.3351

Monochromacy



Original Color

49.0426, 0.3766, 0.3751

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0536, 0.3352, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0426, 0.3766, 0.3751 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, 180, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 180, 142)  
}
```

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, 180, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 180, 142) }
```

Border

The CSS property to change the border of an element to Yxy 49.0426, 0.3766, 0.3751 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, 180, 142) }
```

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

```
.border{ border-color:rgb(215, 180, 142) }
```

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

Here you see how a box with a 4 pixel rgb(215, 180, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 180, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 180, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 180,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0426, 0.3766, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 180, 142) }
```

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

```
.background{ background-color: rgb(215,  
180, 142) }
```

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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