

Converting Colors

$Y_{xy}(49.3255, 0.3884, 0.4036)$

Have a look what the booklet for
Yxy(49.3255, 0.3884, 0.4036)
contains.

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Color

Yxy(49.1210, 0.3883, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	D3B77A
RGB	211, 183, 122
RGB Percent	83%, 72%, 48%
CMY	0.1726, 0.2823, 0.5216
CMYK	0.00, 0.13, 0.42, 0.17
HSL	41°, 50%, 65%
HSV	41°, 42%, 83%
XYZ	47.3058, 49.1210, 25.4011
YIQ	184.4180, 36.2690, -13.0350

Conversions

Conversions Part 2

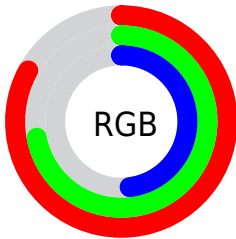
Format	Color
RYB	163, 211, 122
Decimal	13875066
CIELab	75.53, 1.73, 34.68
CIELCh	76, 34.728, 87.141
Yxy	49.1210, 0.3883, 0.4032
Android (android.graphics.Color)	4292065146 (0xFFD3B77A)
YUV	184.4180, -30.7721, 23.3124
Hunter-Lab	70.0864, -2.1701, 27.5722

Details

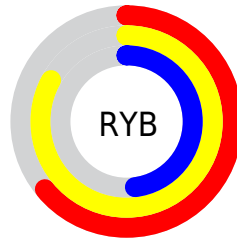
The Yxy color **49.1210, 0.3883, 0.4032** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **30.6427, 0.2411, 0.2408**, and the grayscale version is **48.3348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0881, 0.3648, 0.3933**, and **23.4017, 0.4083, 0.4215** is the 20% darker color. If you saturate the color by 10%, you get **45.9841, 0.4088, 0.4196**, and if you desaturate by 10%, it is **52.5049, 0.3683, 0.3855**.

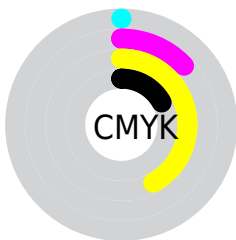
Distribution



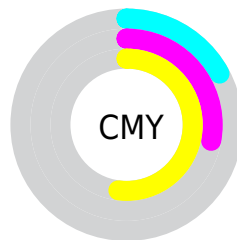
- Red (83%)
- Green (72%)
- Blue (48%)



- Red (64%)
- Yellow (83%)
- Blue (48%)



- Cyan (0%)
- Magenta (13%)
- Yellow (42%)
- Black (17%)





- Cyan (17%)
- Magenta (28%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1210, 0.3883, 0.4032 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 49.1210, 0.3883, 0.4032 by changing the saturation by 10% instead.


 49.1210, 0.3883,
0.4032


 49.1210, 0.3883,
0.4032


383.2185, 0.3515,
0.3673


 34.7155, 0.3970,
0.4115


 88.8711, 0.3753,
0.3906

 23.4438, 0.4077,
0.4218

 114.9845, 0.3703,
0.3857

 14.9215, 0.4212,
0.4346


 145.7694, 0.3660,
0.3815

 8.7643, 0.4383,
0.4505

181.6100, 0.3623,
0.3779

 4.5878, 0.4614,
0.4716

222.8908, 0.3591,
0.3748

 2.0075, 0.4968,
0.5032

269.9962, 0.3562,

 0.6118, 0.5048,

0.3720

0.4952

323.3107, 0.3537,
0.3695

0.0000, 0.0000,
0.0000

49.1210, 0.3883,
0.4032

49.1210, 0.3883,
0.4032

45.9841, 0.4088,
0.4196

52.5049, 0.3683,
0.3855

43.0782, 0.4292,
0.4337

56.1374, 0.3494,
0.3675

40.3954, 0.4484,
0.4444

60.0287, 0.3319,
0.3497

37.9244, 0.4655,
0.4507

64.1863, 0.3160,
0.3326

35.6519, 0.4796,
0.4519

68.6172, 0.3016,
0.3164

■ 33.9948, 0.4889,
0.4500

■ 73.3282, 0.2886,
0.3014

■ 77.3431, 0.2853,
0.3020

■ 81.0923, 0.2856,
0.3091

■ 84.9833, 0.2860,
0.3161

Harmonies

Analogous

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



49.1210, 0.4075, 0.3727



49.1210, 0.3883, 0.4032



49.1210, 0.3492, 0.4155

Triad

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



49.1210, 0.3883, 0.4032



49.1210, 0.2329, 0.3130



49.1210, 0.3178, 0.2699

Complementary

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



49.1210, 0.3883, 0.4032



30.6427, 0.2411, 0.2408

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.



49.1210, 0.2721, 0.2543



49.1210, 0.3883, 0.4032



49.1210, 0.2260, 0.2753

Square

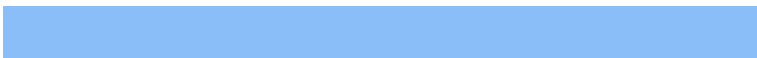
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.1210, 0.3883, 0.4032



49.1210, 0.2599, 0.3604



49.1210, 0.2396, 0.2555



49.1210, 0.3654, 0.2986

Rectangle

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



49.1210, 0.3883, 0.4032



49.1210, 0.3179, 0.4086



49.1210, 0.2396, 0.2555



49.1210, 0.3016, 0.2631

Sweetspot

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



49.1233, 0.3883, 0.4032



91.5774, 0.3336, 0.3514



29.9735, 0.3858, 0.2940



19.3104, 0.3374, 0.3553



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.



49.1233, 0.3883, 0.4032



70.8957, 0.4076, 0.4186



59.5405, 0.3617, 0.4376



13.1446, 0.3274, 0.3449



20.7113, 0.4876, 0.4510



1.2967, 0.4721, 0.4633

Inverse Universe

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



30.6427, 0.2411, 0.2408



38.7851, 0.2242, 0.2168



24.0524, 0.2478, 0.2038



12.0154, 0.2982, 0.3126



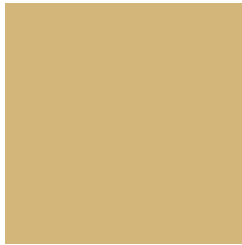
5.3752, 0.1623, 0.1043



0.4421, 0.1727, 0.1418

Previews

White Background



This preview shows how the Yxy color 49.1210, 0.3883, 0.4032 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 49.1210, 0.3883, 0.4032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

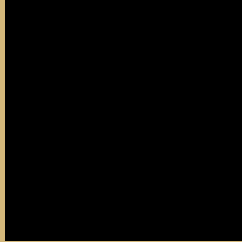
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1210, 0.3883, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 49.1210, 0.3883, 0.4032.



This preview shows how white text looks on a background with the Yxy color 49.1210, 0.3883, 0.4032.

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

49.1210, 0.3883, 0.4032

Protanopia

49.1044, 0.3778, 0.4078

Deuteranopia

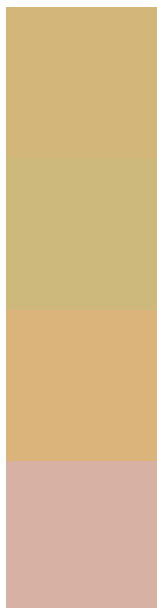
48.9588, 0.4012, 0.3934



Tritanopia

49.1962, 0.3401, 0.3138

Trichromacy



Original Color

49.1210, 0.3883, 0.4032

Protanomaly

49.1071, 0.3810, 0.4059

Deuteranomaly

49.1326, 0.3964, 0.3966

Tritanomaly

48.9682, 0.3579, 0.3460

Monochromacy



Original Color

49.1210, 0.3883, 0.4032

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3235, 0.3400, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1210, 0.3883, 0.4032 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(211, 183, 122)` looks like.

```
.text, #text, p{  
    color:rgb(211, 183, 122)  
}
```

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(211, 183, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 183, 122) }
```

Border

The CSS property to change the border of an element to Yxy 49.1210, 0.3883, 0.4032 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(211, 183, 122) }
```

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

```
.border{ border-color:rgb(211, 183, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 183, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 183, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 183, 122);  
box-shadow:4px 4px 4px 4px rgb(211, 183,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1210, 0.3883, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 183, 122) }
```

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

```
.background{ background-color: rgb(211,  
183, 122) }
```

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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