

Converting Colors

$Y_{xy}(49.2256, 0.3934, 0.4112)$

Have a look what the booklet for
Yxy(49.2256, 0.3934, 0.4112)
contains.

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Color

Yxy(49.3908, 0.3926, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	D3B874
RGB	211, 184, 116
RGB Percent	83%, 72%, 45%
CMY	0.1725, 0.2784, 0.5451
CMYK	0.00, 0.13, 0.45, 0.17
HSL	43°, 52%, 64%
HSV	43°, 45%, 83%
XYZ	47.1567, 49.3908, 23.5663
YIQ	184.3210, 37.9200, -15.4240

Conversions

Conversions Part 2

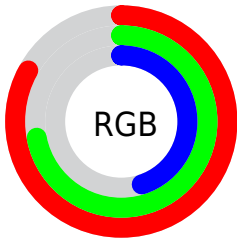
Format	Color
RYB	154, 211, 116
Decimal	13875316
CIELab	75.69, 0.59, 38.01
CIELCh	76, 38.017, 89.104
Yxy	49.3908, 0.3926, 0.4112
Android (android.graphics.Color)	4292065396 (0xFFD3B874)
YUV	184.3210, -33.6823, 23.3975
Hunter-Lab	70.2786, -3.2147, 29.3135

Details

The Yxy color **49.3908, 0.3926, 0.4112** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.0555, 0.2352, 0.2293**, and the grayscale version is **48.2944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4447, 0.3683, 0.4001**, and **23.5945, 0.4133, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **46.5182, 0.4123, 0.4276**, and if you desaturate by 10%, it is **52.4851, 0.3731, 0.3932**.

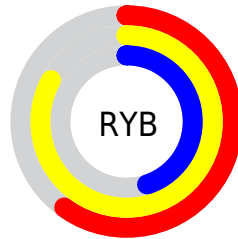
Distribution



Red (83%)

Green (72%)

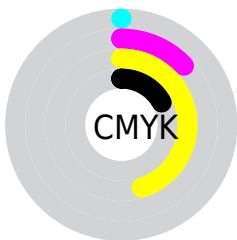
Blue (45%)



Red (60%)

Yellow (83%)

Blue (45%)

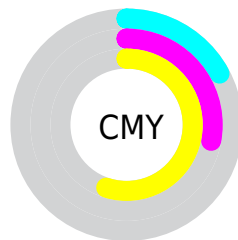


Cyan (0%)

Magenta (13%)

Yellow (45%)

Black (17%)



Cyan (17%)


Magenta (28%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3908, 0.3926, 0.4112 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 49.3908, 0.3926, 0.4112 by changing the saturation by 10% instead.


 49.3908, 0.3926,
0.4112


 49.3908, 0.3926,
0.4112


384.2788, 0.3540,
0.3716

 34.9296, 0.4015,
0.4203


 89.2716, 0.3790,
0.3973

 23.6086, 0.4125,
0.4315


 115.4600, 0.3738,
0.3919

 15.0436, 0.4261,
0.4453


 146.3262, 0.3693,
0.3873

 8.8500, 0.4428,
0.4622

182.2547, 0.3654,
0.3833

 4.6434, 0.4672,
0.4867

223.6298, 0.3620,
0.3798

 2.0396, 0.4906,
0.5094

270.8359, 0.3590,

 0.6303, 0.4933,

0.3767

0.5067

324.2574, 0.3563,
0.3740

0.0000, 0.0000,
0.0000

49.3908, 0.3926,
0.4112

49.3908, 0.3926,
0.4112

46.5182, 0.4123,
0.4276

52.4851, 0.3731,
0.3932

43.8515, 0.4313,
0.4414

55.8023, 0.3543,
0.3745

41.3830, 0.4488,
0.4514

59.3525, 0.3366,
0.3558

39.1013, 0.4638,
0.4569

63.1427, 0.3204,
0.3378

36.9930, 0.4757,
0.4573

67.1796, 0.3055,
0.3206

■ 35.9985, 0.4809,
0.4563

■ 71.4698, 0.2922,
0.3045

■ 75.4469, 0.2851,
0.2983

■ 78.7642, 0.2854,
0.3048

■ 82.1967, 0.2857,
0.3112

Harmonies

Analogous

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



49.3908, 0.4156, 0.3784



49.3908, 0.3926, 0.4112



49.3908, 0.3488, 0.4238

Triad

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



49.3908, 0.3926, 0.4112



49.3908, 0.2249, 0.3079



49.3908, 0.3216, 0.2667

Complementary

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



49.3908, 0.3926, 0.4112



28.0555, 0.2352, 0.2293

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.



49.3908, 0.2712, 0.2488



49.3908, 0.3926, 0.4112



49.3908, 0.2190, 0.2682

Square

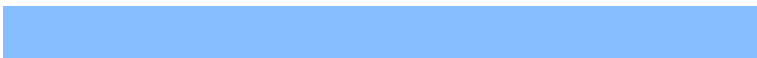
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.3908, 0.3926, 0.4112



49.3908, 0.2526, 0.3599



49.3908, 0.2351, 0.2485



49.3908, 0.3734, 0.2982

Rectangle

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



49.3908, 0.3926, 0.4112



49.3908, 0.3146, 0.4151



49.3908, 0.2351, 0.2485



49.3908, 0.3038, 0.2590

Sweetspot

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



49.3931, 0.3926, 0.4112



91.6083, 0.3351, 0.3542



28.3657, 0.3953, 0.2937



19.3454, 0.3389, 0.3582



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.



49.3931, 0.3926, 0.4112



71.5991, 0.4114, 0.4270



59.0568, 0.3633, 0.4453



13.2062, 0.3273, 0.3456



21.9066, 0.4798, 0.4572



1.3562, 0.4662, 0.4680

Inverse Universe

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



28.0555, 0.2352, 0.2293



34.9426, 0.2177, 0.2035



22.3411, 0.2438, 0.1946



11.9569, 0.2982, 0.3119



4.9375, 0.1603, 0.0972



0.4119, 0.1707, 0.1343

Previews

White Background



This preview shows how the Yxy color 49.3908, 0.3926, 0.4112 looks on a white background.

Color Contrast Check

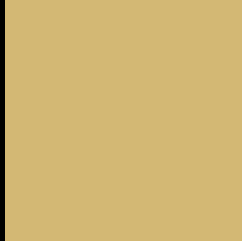
Large Text (above 18pt) WCAG AA × Fail

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 49.3908, 0.3926, 0.4112 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 49.3908, 0.3926, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 49.3908, 0.3926, 0.4112.

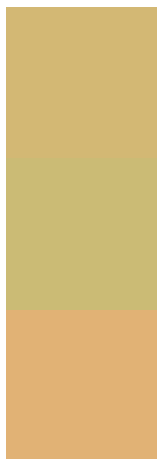


This preview shows how white text looks on a background with the Yxy color 49.3908, 0.3926, 0.4112.

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

49.3908, 0.3926, 0.4112

Protanopia

49.5215, 0.3829, 0.4157

Deuteranopia

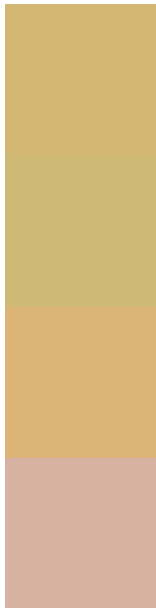
49.1327, 0.4080, 0.3995



Tritanopia

49.2395, 0.3392, 0.3126

Trichromacy



Original Color

49.3908, 0.3926, 0.4112

Protanomaly

49.5240, 0.3862, 0.4137

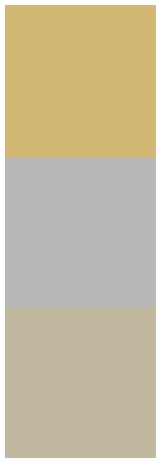
Deuteranomaly

49.1425, 0.4023, 0.4031

Tritanomaly

48.8965, 0.3596, 0.3485

Monochromacy



Original Color

49.3908, 0.3926, 0.4112

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2535, 0.3416, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3908, 0.3926, 0.4112 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, 184, 116)` looks like.

```
.text, #text, p{  
    color:rgb(211, 184, 116)  
}
```

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, 184, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 184, 116) }
```

Border

The CSS property to change the border of an element to Yxy 49.3908, 0.3926, 0.4112 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, 184, 116) }
```

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

```
.border{ border-color:rgb(211, 184, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 184, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 184, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 184, 116);  
box-shadow:4px 4px 4px 4px rgb(211, 184,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3908, 0.3926, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 184, 116) }
```

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

```
.background{ background-color: rgb(211,  
184, 116) }
```

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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