

Converting Colors

$Y_{xy}(49.2670, 0.3909, 0.4103)$

Have a look what the booklet for
Yxy(49.2670, 0.3909, 0.4103)
contains.

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Color

Yxy(49.2670, 0.3909, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	D2B875
RGB	210, 184, 117
RGB Percent	82%, 72%, 46%
CMY	0.1763, 0.2785, 0.5411
CMYK	0.00, 0.12, 0.44, 0.18
HSL	43°, 51%, 64%
HSV	43°, 44%, 82%
XYZ	46.9375, 49.2670, 23.8710
YIQ	184.1360, 37.0030, -15.3250

Conversions

Conversions Part 2

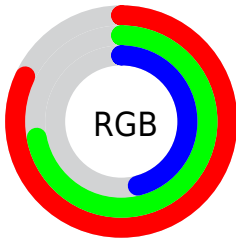
Format	Color
RYB	153, 210, 117
Decimal	13809781
CIELab	75.62, 0.31, 37.36
CIELCh	76, 37.366, 89.523
Yxy	49.2670, 0.3909, 0.4103
Android (android.graphics.Color)	4291999861 (0xFFD2B875)
YUV	184.1360, -33.0980, 22.6827
Hunter-Lab	70.1905, -3.4674, 28.9694

Details

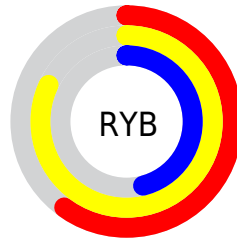
The Yxy color **49.2670, 0.3909, 0.4103** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.1012, 0.2365, 0.2307**, and the grayscale version is **48.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4825, 0.3676, 0.3992**, and **23.5079, 0.4111, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **46.4370, 0.4105, 0.4270**, and if you desaturate by 10%, it is **52.3140, 0.3715, 0.3921**.

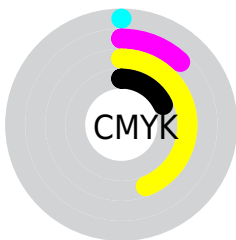
Distribution



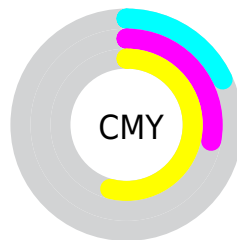
- Red (82%)
- Green (72%)
- Blue (46%)



- Red (60%)
- Yellow (82%)
- Blue (46%)



- Cyan (0%)
- Magenta (12%)
- Yellow (44%)
- Black (18%)





- Cyan (18%)
- Magenta (28%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2670, 0.3909, 0.4103 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 49.2670, 0.3909, 0.4103 by changing the saturation by 10% instead.


 49.2670, 0.3909,
0.4103


 49.2670, 0.3909,
0.4103

383.7925, 0.3531,
0.3710

 34.8313, 0.3997,
0.4194


 89.0879, 0.3776,
0.3965

 23.5330, 0.4105,
0.4305


 115.2419, 0.3724,
0.3912

 14.9875, 0.4238,
0.4443


 146.0708, 0.3680,
0.3866

 8.8106, 0.4404,
0.4615

181.9590, 0.3642,
0.3826

 4.6179, 0.4642,
0.4858

223.2908, 0.3609,
0.3792

 2.0249, 0.4890,
0.5110

270.4508, 0.3580,

 0.6219, 0.4905,

0.3761

0.5095

323.8232, 0.3554,
0.3734

0.0000, 0.0000,
0.0000

49.2670, 0.3909,
0.4103

49.2670, 0.3909,
0.4103

46.4370, 0.4105,
0.4270

52.3140, 0.3715,
0.3921

43.8083, 0.4294,
0.4410

55.5791, 0.3528,
0.3733

41.3737, 0.4469,
0.4514

59.0721, 0.3353,
0.3546

39.1220, 0.4619,
0.4573

62.7998, 0.3192,
0.3365

37.0402, 0.4740,
0.4583

66.7690, 0.3045,
0.3193

■ 35.9143, 0.4798,
0.4572

■ 70.9858, 0.2912,
0.3032

■ 74.8599, 0.2844,
0.2974

■ 78.0971, 0.2848,
0.3037

■ 81.4448, 0.2851,
0.3100

Harmonies

Analogous

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



49.2670, 0.4139, 0.3783



49.2670, 0.3909, 0.4103



49.2670, 0.3477, 0.4221

Triad

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



49.2670, 0.3909, 0.4103



49.2670, 0.2260, 0.3077



49.2670, 0.3222, 0.2679

Complementary

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



49.2670, 0.3909, 0.4103



28.1012, 0.2365, 0.2307

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.



49.2670, 0.2725, 0.2501



49.2670, 0.3909, 0.4103



49.2670, 0.2205, 0.2688

Square

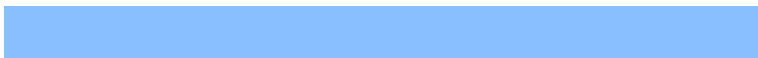
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.2670, 0.3909, 0.4103



49.2670, 0.2530, 0.3587



49.2670, 0.2366, 0.2496



49.2670, 0.3730, 0.2992

Rectangle

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



49.2670, 0.3909, 0.4103



49.2670, 0.3139, 0.4132



49.2670, 0.2366, 0.2496



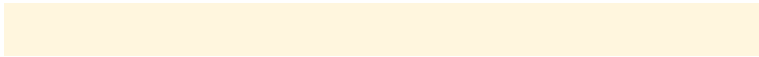
49.2670, 0.3047, 0.2603

Sweetspot

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



49.2693, 0.3909, 0.4103



92.2668, 0.3334, 0.3525



28.4284, 0.3952, 0.2962



19.4814, 0.3372, 0.3566



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.



49.2693, 0.3909, 0.4103



72.3224, 0.4091, 0.4259



58.3258, 0.3613, 0.4439



13.2147, 0.3273, 0.3457



22.0770, 0.4787, 0.4581



1.3647, 0.4654, 0.4687

Inverse Universe

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



28.1012, 0.2365, 0.2307



35.5493, 0.2194, 0.2055



22.7152, 0.2466, 0.1976



11.9489, 0.2982, 0.3118



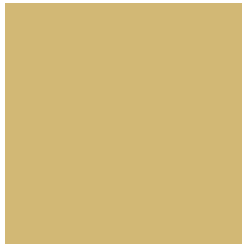
4.8808, 0.1601, 0.0963



0.4079, 0.1704, 0.1333

Previews

White Background



This preview shows how the Yxy color 49.2670, 0.3909, 0.4103 looks on a white background.

Color Contrast Check

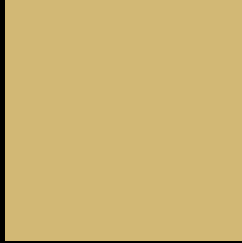
Large Text (above 18pt) WCAG AA × Fail

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 49.2670, 0.3909, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

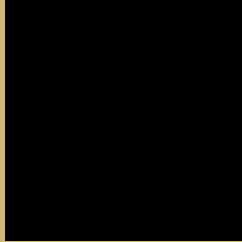
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2670, 0.3909, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 49.2670, 0.3909, 0.4103.



This preview shows how white text looks on a background with the Yxy color 49.2670, 0.3909, 0.4103.

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

49.2670, 0.3909, 0.4103

Protanopia

49.1223, 0.3826, 0.4135

Deuteranopia

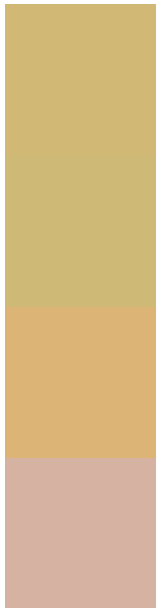
49.1563, 0.4072, 0.3984



Tritanopia

49.0858, 0.3383, 0.3126

Trichromacy



Original Color

49.2670, 0.3909, 0.4103

Protanomaly

49.1277, 0.3859, 0.4115

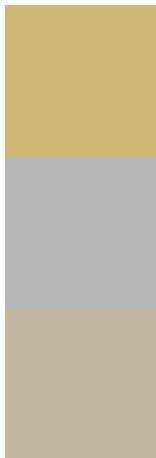
Deuteranomaly

49.1662, 0.4015, 0.4020

Tritanomaly

48.7813, 0.3578, 0.3473

Monochromacy



Original Color

49.2670, 0.3909, 0.4103

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.1565, 0.3399, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2670, 0.3909, 0.4103 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(210, 184, 117)` looks like.

```
.text, #text, p{  
    color:rgb(210, 184, 117)  
}
```

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(210, 184, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 184, 117) }
```

Border

The CSS property to change the border of an element to Yxy 49.2670, 0.3909, 0.4103 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(210, 184, 117) }
```

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

```
.border{ border-color:rgb(210, 184, 117) }
```

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

Here you see how a box with a 4 pixel rgb(210, 184, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 184, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 184, 117);  
box-shadow:4px 4px 4px 4px rgb(210, 184,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2670, 0.3909, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 184, 117) }
```

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

```
.background{ background-color: rgb(210,  
184, 117) }
```

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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