

Converting Colors

$Y_{xy}(49.0729, 0.3985, 0.4048)$

Have a look what the booklet for
Yxy(49.0729, 0.3985, 0.4048)
contains.

Yxy(49.0838, 0.3990, 0.4050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.0838, 0.3990, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	D9B575
RGB	217, 181, 117
RGB Percent	85%, 71%, 46%
CMY	0.1489, 0.2902, 0.5412
CMYK	0.00, 0.17, 0.46, 0.15
HSL	38°, 57%, 65%
HSV	38°, 46%, 85%
XYZ	48.3566, 49.0838, 23.7541
YIQ	184.4680, 42.0000, -12.2720

Conversions

Conversions Part 2

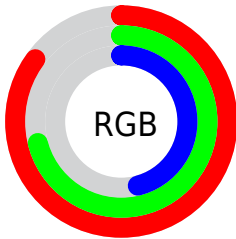
Format	Color
RYB	173, 217, 117
Decimal	14267765
CIELab	75.50, 4.74, 37.37
CIELCh	76, 37.666, 82.763
Yxy	49.0838, 0.3990, 0.4050
Android (android.graphics.Color)	4292457845 (0xFFD9B575)
YUV	184.4680, -33.2617, 28.5306
Hunter-Lab	70.0598, 0.5994, 28.9393

Details

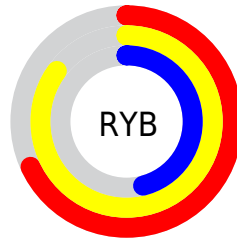
The Yxy color **49.0838, 0.3990, 0.4050** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.5871, 0.2351, 0.2376**, and the grayscale version is **48.3780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7307, 0.3686, 0.3964**, and **23.3172, 0.4213, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **45.5426, 0.4210, 0.4197**, and if you desaturate by 10%, it is **52.9264, 0.3776, 0.3887**.

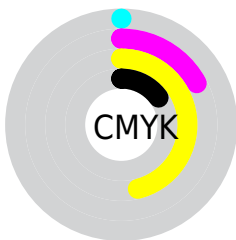
Distribution



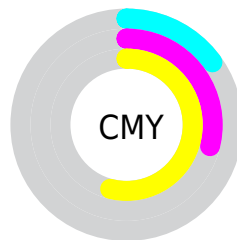
- Red (85%)
- Green (71%)
- Blue (46%)



- Red (68%)
- Yellow (85%)
- Blue (46%)



- Cyan (0%)
- Magenta (17%)
- Yellow (46%)
- Black (15%)





- Cyan (15%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0838, 0.3990, 0.4050 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 49.0838, 0.3990, 0.4050 by changing the saturation by 10% instead.


 49.0838, 0.3990,
0.4050


 49.0838, 0.3990,
0.4050

383.0721, 0.3570,
0.3688

 34.6860, 0.4088,
0.4132


 88.8159, 0.3841,
0.3924

 23.4211, 0.4210,
0.4231


 114.9190, 0.3784,
0.3875

 14.9047, 0.4362,
0.4351


 145.6925, 0.3735,
0.3833

 8.7525, 0.4553,
0.4496

181.5210, 0.3693,
0.3796

 4.5801, 0.4829,
0.4697

222.7888, 0.3656,
0.3764

 2.0031, 0.5131,
0.4869

269.8804, 0.3624,

 0.6093, 0.5328,

0.3736

0.4672

323.1800, 0.3595,
0.3711

0.0000, 0.0000,
0.0000

49.0838, 0.3990,
0.4050

49.0838, 0.3990,
0.4050

45.5426, 0.4210,
0.4197

52.9264, 0.3776,
0.3887

42.2847, 0.4428,
0.4318

57.0739, 0.3575,
0.3717

39.3000, 0.4633,
0.4399

61.5381, 0.3390,
0.3549

36.5746, 0.4815,
0.4433

66.3281, 0.3221,
0.3385

34.0918, 0.4963,
0.4415

71.4526, 0.3070,
0.3231

■ 33.1770, 0.5016,
0.4399

■ 76.9198, 0.2935,
0.3086

■ 81.8082, 0.2893,
0.3090

■ 86.4025, 0.2896,
0.3172

■ 91.1962, 0.2899,
0.3252

Harmonies

Analogous

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



49.0838, 0.4161, 0.3699



49.0838, 0.3990, 0.4050



49.0838, 0.3589, 0.4228

Triad

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



49.0838, 0.3990, 0.4050



49.0838, 0.2296, 0.3185



49.0838, 0.3103, 0.2620

Complementary

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



49.0838, 0.3990, 0.4050



31.5871, 0.2351, 0.2376

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.



49.0838, 0.2625, 0.2477



49.0838, 0.3990, 0.4050



49.0838, 0.2190, 0.2755

Square

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



49.0838, 0.3990, 0.4050



49.0838, 0.2613, 0.3706



49.0838, 0.2305, 0.2515



49.0838, 0.3628, 0.2909

Rectangle

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



49.0838, 0.3990, 0.4050



49.0838, 0.3255, 0.4187



49.0838, 0.2305, 0.2515



49.0838, 0.2931, 0.2554

Sweetspot

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



49.0861, 0.3990, 0.4050



89.9774, 0.3355, 0.3516



29.8010, 0.3899, 0.2848



18.9464, 0.3393, 0.3552



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.



49.0861, 0.3990, 0.4050



65.9041, 0.4197, 0.4189



63.7197, 0.3698, 0.4459



14.4337, 0.3276, 0.3439



20.2842, 0.5001, 0.4411



1.4752, 0.4836, 0.4542

Inverse Universe

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



31.5871, 0.2351, 0.2376



37.8574, 0.2189, 0.2147



22.5061, 0.2362, 0.1888



13.3812, 0.2981, 0.3136



6.5289, 0.1655, 0.1158



0.5831, 0.1747, 0.1488

Previews

White Background



This preview shows how the Yxy color 49.0838, 0.3990, 0.4050 looks on a white background.

Color Contrast Check

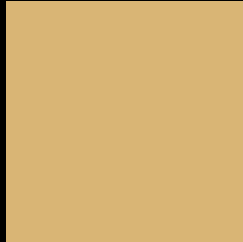
Large Text (above 18pt) WCAG AA × Fail

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 49.0838, 0.3990, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

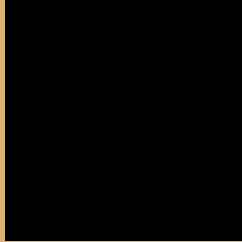
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0838, 0.3990, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 49.0838, 0.3990, 0.4050.



This preview shows how white text looks on a background with the Yxy color 49.0838, 0.3990, 0.4050.

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

49.0838, 0.3990, 0.4050

Protanopia

49.1462, 0.3818, 0.4123

Deuteranopia

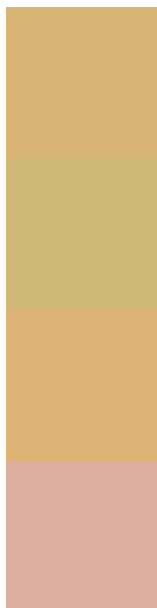
49.1563, 0.4072, 0.3984



Tritanopia

48.8975, 0.3478, 0.3129

Trichromacy



Original Color

49.0838, 0.3990, 0.4050

Protanomaly

48.9989, 0.3882, 0.4098

Deuteranomaly

49.0778, 0.4039, 0.4003

Tritanomaly

48.6053, 0.3670, 0.3458

Monochromacy



Original Color

49.0838, 0.3990, 0.4050

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.1408, 0.3428, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0838, 0.3990, 0.4050 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(217, 181, 117)` looks like.

```
.text, #text, p{  
    color:rgb(217, 181, 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(217, 181, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 181, 117) }
```

Border

The CSS property to change the border of an element to Yxy 49.0838, 0.3990, 0.4050 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(217, 181, 117) }
```

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

```
.border{ border-color:rgb(217, 181, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 181, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 181, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 181, 117);  
box-shadow:4px 4px 4px 4px rgb(217, 181,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0838, 0.3990, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 181, 117) }
```

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

```
.background{ background-color: rgb(217,  
181, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor