

# Converting Colors

$Yxy(39.9427, 0.4170, 0.3747)$

Have a look what the booklet for  
Yxy(39.9427, 0.4170, 0.3747)  
contains.

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# Color

**Yxy(39.9427, 0.4170, 0.3747)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC9B75
RGB	220, 155, 117
RGB Percent	86%, 61%, 46%
CMY	0.1372, 0.3922, 0.5411
CMYK	0.00, 0.30, 0.47, 0.14
HSL	22°, 60%, 66%
HSV	22°, 47%, 86%
XYZ	44.4518, 39.9427, 22.2046
YIQ	170.1030, 50.9380, 1.9620

# Conversions

## Conversions Part 2

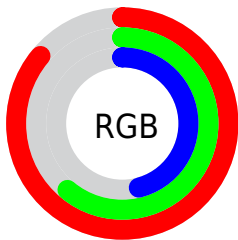
Format	Color
<a href="#">RYB</a>	<a href="#">220, 177, 117</a>
Decimal	<a href="#">14457717</a>
CIELab	<a href="#">69.43, 19.88, 29.57</a>
CIElCh	<a href="#">69, 35.632, 56.083</a>
Yxy	<a href="#">39.9427, 0.4170, 0.3747</a>
Android (android.graphics.Color)	<a href="#">4292647797</a> ( <a href="#">0xFFDC9B75</a> )
YUV	<a href="#">170.1030, -26.1798, 43.7597</a>
Hunter-Lab	<a href="#">63.2002, 14.9474, 23.4094</a>

# Details

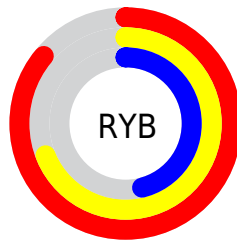
The Yxy color **39.9427, 0.4170, 0.3747** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.4259, 0.2412, 0.2766**, and the grayscale version is **40.3687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2178, 0.3781, 0.3715**, and **17.9994, 0.4471, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **35.1260, 0.4485, 0.3831**, and if you desaturate by 10%, it is **45.4167, 0.3886, 0.3650**.

# Distribution



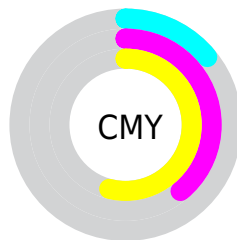
- Red (86%)
- Green (61%)
- Blue (46%)



- Red (86%)
- Yellow (69%)
- Blue (46%)



- Cyan (0%)
- Magenta (30%)
- Yellow (47%)
- Black (14%)



- Cyan (14%)
- Magenta (39%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9427, 0.4170, 0.3747 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 39.9427, 0.4170, 0.3747 by changing the saturation by 10% instead.





 39.9427, 0.4170,  
0.3747

 39.9427, 0.4170,  
0.3747


345.8820, 0.3634,  
0.3537


 27.4939, 0.4305,  
0.3791


 75.0763, 0.3973,  
0.3676

 17.9445, 0.4479,  
0.3841


 98.5298, 0.3900,  
0.3648

 10.9101, 0.4707,  
0.3896


 126.4203, 0.3838,  
0.3624

 6.0064, 0.5015,  
0.3948

159.1322, 0.3785,  
0.3602

 2.8490, 0.5558,  
0.4051

197.0500, 0.3740,  
0.3583

 1.0534, 0.6105,  
0.3895

240.5579, 0.3700,

 0.0000, 1.0000,

0.3566

0.0000

290.0405, 0.3665,  
0.3551

0.0000, 0.0000,  
0.0000

39.9427, 0.4170,  
0.3747

39.9427, 0.4170,  
0.3747

35.1260, 0.4485,  
0.3831

45.4167, 0.3886,  
0.3650

30.9343, 0.4821,  
0.3890

51.5671, 0.3637,  
0.3549

27.3406, 0.5158,  
0.3911


58.4193, 0.3421,  
0.3448


24.3136, 0.5470,  
0.3883


65.9957, 0.3237,  
0.3352

21.8169, 0.5728,  
0.3804

74.3173, 0.3080,  
0.3262

 21.1199, 0.5803,  
0.3774

 83.4045, 0.2946,  
0.3179

 92.2005, 0.2916,  
0.3261

 93.9578, 0.2917,  
0.3289

# Harmonies

## Analogous

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



39.9427, 0.4072, 0.3336



39.9427, 0.4170, 0.3747



39.9427, 0.3965, 0.4090

# Triad

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



39.9427, 0.4170, 0.3747



39.9427, 0.2561, 0.3654



39.9427, 0.2665, 0.2475

# Complementary

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



39.9427, 0.4170, 0.3747



42.4259, 0.2412, 0.2766

# 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.



39.9427, 0.2321, 0.2491



39.9427, 0.4170, 0.3747



39.9427, 0.2262, 0.3127

# Square

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



39.9427, 0.4170, 0.3747



39.9427, 0.3025, 0.4091



39.9427, 0.2181, 0.2710



39.9427, 0.3162, 0.2638



# Rectangle

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



39.9427, 0.4170, 0.3747



39.9427, 0.3699, 0.4222



39.9427, 0.2181, 0.2710



39.9427, 0.2530, 0.2459

# Sweetspot

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



39.9447, 0.4170, 0.3747



84.3640, 0.3369, 0.3422



31.3347, 0.3583, 0.2531



17.5807, 0.3411, 0.3443



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.



39.9447, 0.4170, 0.3747



49.2899, 0.4474, 0.3828



60.7815, 0.3882, 0.4301



13.8338, 0.3282, 0.3377



12.5888, 0.5775, 0.3796



0.9770, 0.5466, 0.4042



# Inverse Universe

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



42.4259, 0.2412, 0.2766



53.0841, 0.2281, 0.2635



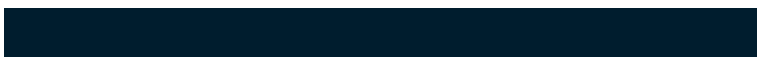
25.1199, 0.2276, 0.2017



13.9804, 0.2982, 0.3202



14.0704, 0.1900, 0.2041



1.0741, 0.1963, 0.2268



# Previews

## White Background



This preview shows how the Yxy color 39.9427, 0.4170, 0.3747 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 39.9427, 0.4170, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

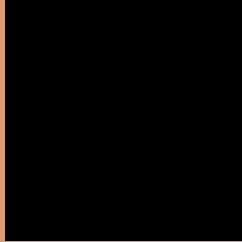
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9427, 0.4170, 0.3747**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9427, 0.4170, 0.3747.



This preview shows how white text looks on a background with the Yxy color 39.9427, 0.4170, 0.3747.

# 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

39.9427, 0.4170, 0.3747

### Protanopia

40.2468, 0.3665, 0.3936

### Deuteranopia

40.1518, 0.3963, 0.3893



## Tritanopia

39.8803, 0.3792, 0.3161

# Trichromacy



## Original Color

39.9427, 0.4170, 0.3747

## Protanomaly

40.0265, 0.3836, 0.3870

## Deuteranomaly

39.9579, 0.4040, 0.3842

## Tritanomaly

39.8348, 0.3944, 0.3376

# Monochromacy



## Original Color

39.9427, 0.4170, 0.3747

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.8360, 0.3475, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9427, 0.4170, 0.3747 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(220, 155, 117)` looks like.

```
.text, #text, p{  
    color:rgb(220, 155, 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(220, 155, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 155, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9427, 0.4170, 0.3747 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(220, 155, 117) }
```

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

```
.border{ border-color:rgb(220, 155, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 155, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 155, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 155, 117);  
box-shadow:4px 4px 4px 4px rgb(220, 155,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9427, 0.4170, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 155, 117) }
```

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

```
.background{ background-color: rgb(220,  
155, 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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