

# Converting Colors

Yxy(50.4564, 0.4113, 0.3834)

Have a look what the booklet for  
Yxy(50.4564, 0.4113, 0.3834)  
contains.

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# **Color**

**Yxy(50.5875, 0.4117, 0.3837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDB07F
RGB	237, 176, 127
RGB Percent	93%, 69%, 50%
CMY	0.0706, 0.3098, 0.5020
CMYK	0.00, 0.26, 0.46, 0.07
HSL	27°, 75%, 71%
HSV	27°, 46%, 93%
XYZ	54.2791, 50.5875, 26.9747
YIQ	188.6530, 52.0850, -2.3070

# Conversions

## Conversions Part 2

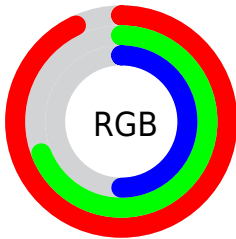
Format	Color
R <sub>Y</sub> B	237, 215, 127
Decimal	15577215
CIE Lab	76.43, 16.43, 33.75
CIE LCh	76, 37.535, 64.042
Yxy	50.5875, 0.4117, 0.3837
Android (android.graphics.Color)	4293767295 (0xFFEDB07F)
YUV	188.6530, -30.3949, 42.4003
Hunter-Lab	71.1249, 11.7540, 27.3012

# Details

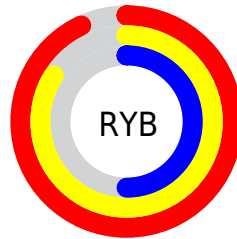
The Yxy color **50.5875, 0.4117, 0.3837** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.5767, 0.2394, 0.2654**, and the grayscale version is **50.8353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2685, 0.3634, 0.3817**, and **24.2854, 0.4386, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **45.1376, 0.4405, 0.3940**, and if you desaturate by 10%, it is **56.6863, 0.3853, 0.3720**.

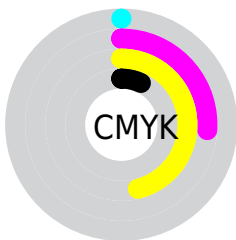
# Distribution



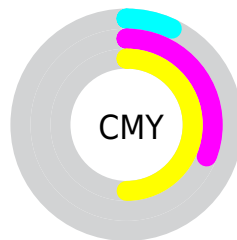
- Red (93%)
- Green (69%)
- Blue (50%)



- Red (93%)
- Yellow (84%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (7%)




- Cyan (7%)
- Magenta (31%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5875, 0.4117, 0.3837 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 50.5875, 0.4117, 0.3837 by changing the saturation by 10% instead.





 50.5875, 0.4117,  
0.3837

 50.5875, 0.4117,  
0.3837

388.9590, 0.3630,  
0.3589


 35.8804, 0.4233,  
0.3889


 91.0447, 0.3943,  
0.3754

 24.3419, 0.4379,  
0.3950


 117.5637, 0.3877,  
0.3721

 15.5874, 0.4564,  
0.4020


 148.7887, 0.3821,  
0.3692

 9.2327, 0.4806,  
0.4096

185.1042, 0.3772,  
0.3666

 4.8933, 0.5128,  
0.4168

226.8946, 0.3730,  
0.3644

 2.1848, 0.5702,  
0.4298

274.5443, 0.3692,

 0.7117, 0.6072,

0.3624

0.3928

328.4376, 0.3659,  
0.3606

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.5875, 0.4117,  
0.3837

50.5875, 0.4117,  
0.3837

45.1376, 0.4405,  
0.3940

56.6863, 0.3853,  
0.3720

40.3047, 0.4707,  
0.4017

63.4494, 0.3617,  
0.3598


36.0650, 0.5007,  
0.4055


70.9009, 0.3410,  
0.3477


32.3891, 0.5283,  
0.4043

79.0613, 0.3230,  
0.3361

 29.2437, 0.5516,  
0.3975

 87.9501, 0.3074,  
0.3252

 28.2336, 0.5591,  
0.3943

 96.6389, 0.3017,  
0.3288

 96.7438, 0.3017,  
0.3290

# Harmonies

## Analogous

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



50.5875, 0.4102, 0.3444



50.5875, 0.4117, 0.3837



50.5875, 0.3851, 0.4134

# Triad

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



50.5875, 0.4117, 0.3837



50.5875, 0.2480, 0.3508



50.5875, 0.2795, 0.2520

# Complementary

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



50.5875, 0.4117, 0.3837



46.5767, 0.2394, 0.2654

# 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.



50.5875, 0.2412, 0.2487



50.5875, 0.4117, 0.3837



50.5875, 0.2241, 0.3009

# Square

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



50.5875, 0.4117, 0.3837



50.5875, 0.2899, 0.3977



50.5875, 0.2219, 0.2649



50.5875, 0.3301, 0.2721



# Rectangle

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



50.5875, 0.4117, 0.3837



50.5875, 0.3564, 0.4216



50.5875, 0.2219, 0.2649



50.5875, 0.2649, 0.2489

# Sweetspot

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



50.5899, 0.4117, 0.3837



85.9273, 0.3365, 0.3449



36.8655, 0.3661, 0.2609



17.9598, 0.3406, 0.3474



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.



50.5899, 0.4117, 0.3837



53.4223, 0.4399, 0.3938



75.9410, 0.3846, 0.4362



16.1592, 0.3282, 0.3395



15.6682, 0.5563, 0.3965



1.4196, 0.5327, 0.4152



# Inverse Universe

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



46.5767, 0.2394, 0.2654



48.0967, 0.2250, 0.2490



27.7618, 0.2262, 0.1926



15.9336, 0.2981, 0.3182



12.5225, 0.1824, 0.1765



1.1748, 0.1888, 0.1995



# Previews

## White Background



This preview shows how the Yxy color 50.5875, 0.4117, 0.3837 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 50.5875, 0.4117, 0.3837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

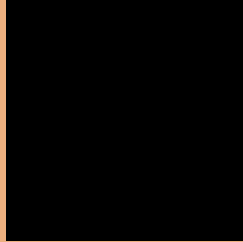
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.5875, 0.4117, 0.3837**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5875, 0.4117, 0.3837.



This preview shows how white text looks on a background with the Yxy color 50.5875, 0.4117, 0.3837.

# 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

50.5875, 0.4117, 0.3837

### Protanopia

50.8985, 0.3712, 0.3997

### Deuteranopia

50.7229, 0.3998, 0.3926



## Tritanopia

50.6306, 0.3685, 0.3149

# Trichromacy



**Original Color**

50.5875, 0.4117, 0.3837

**Protanomaly**

50.4916, 0.3859, 0.3937

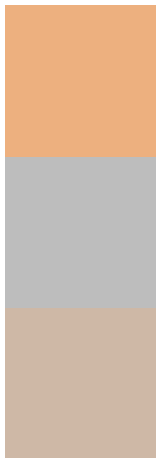
**Deuteranomaly**

50.5696, 0.4046, 0.3895

**Tritanomaly**

50.6389, 0.3845, 0.3403

# Monochromacy



**Original Color**

50.5875, 0.4117, 0.3837

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.1560, 0.3465, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5875, 0.4117, 0.3837 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(237, 176, 127)` looks like.

```
.text, #text, p{  
    color:rgb(237, 176, 127)  
}
```

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(237, 176, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 176, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5875, 0.4117, 0.3837 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(237, 176, 127) }
```

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

```
.border{ border-color:rgb(237, 176, 127) }
```

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

Here you see how a box with a 4 pixel rgb(237, 176, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 176, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 176, 127);  
box-shadow:4px 4px 4px 4px rgb(237, 176,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5875, 0.4117, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 176, 127) }
```

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

```
.background{ background-color: rgb(237,  
176, 127) }
```

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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