

# Converting Colors

$Y_{xy}(47.0201, 0.4268, 0.3877)$

Have a look what the booklet for  
Yxy(47.0201, 0.4268, 0.3877)  
contains.

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# Color

**Yxy(47.0759, 0.4260, 0.3879)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECA873
RGB	236, 168, 115
RGB Percent	93%, 66%, 45%
CMY	0.0744, 0.3412, 0.5490
CMYK	0.00, 0.29, 0.51, 0.07
HSL	26°, 76%, 69%
HSV	26°, 51%, 93%
XYZ	51.6998, 47.0759, 22.5853
YIQ	182.2900, 57.5410, -2.0670

# Conversions

## Conversions Part 2

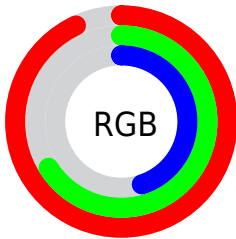
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 209, 115
Decimal	15509619
CIE Lab	74.24, 19.19, 37.19
CIE LCh	74, 41.852, 62.705
Yxy	47.0759, 0.4260, 0.3879
Android (android.graphics.Color)	4293699699 (0xFFECA873)
YUV	182.2900, -33.1740, 47.1037
Hunter-Lab	68.6119, 14.4308, 28.5116

# Details

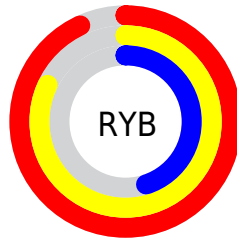
The Yxy color **47.0759, 0.4260, 0.3879** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.5994, 0.2324, 0.2587**, and the grayscale version is **47.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8625, 0.3744, 0.3853**, and **22.2312, 0.4553, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **41.9498, 0.4559, 0.3969**, and if you desaturate by 10%, it is **52.8460, 0.3981, 0.3769**.

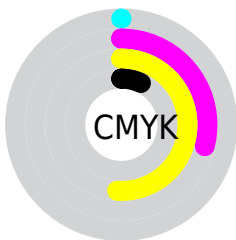
# Distribution



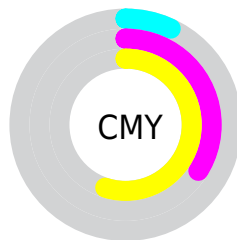
- Red (93%)
- Green (66%)
- Blue (45%)



- Red (93%)
- Yellow (82%)
- Blue (45%)



- Cyan (0%)
- Magenta (29%)
- Yellow (51%)
- Black (7%)




- Cyan (7%)
- Magenta (34%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0759, 0.4260, 0.3879 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 47.0759, 0.4260, 0.3879 by changing the saturation by 10% instead.





 47.0759, 0.4260,  
0.3879

 47.0759, 0.4260,  
0.3879


375.1174, 0.3698,  
0.3616

 33.0957, 0.4395,  
0.3932


 85.8269, 0.4059,  
0.3792

 22.1997, 0.4562,  
0.3992


 111.3665, 0.3983,  
0.3757

 14.0037, 0.4775,  
0.4057


 141.5279, 0.3917,  
0.3726

 8.1233, 0.5049,  
0.4118

176.6957, 0.3861,  
0.3699

 4.1739, 0.5473,  
0.4203

217.2541, 0.3812,  
0.3675

 1.7713, 0.5894,  
0.4106

263.5876, 0.3770,

 0.4692, 0.6614,

0.3653

0.3386

316.0806, 0.3732,  
0.3633

0.0000, 0.0000,  
0.0000

47.0759, 0.4260,  
0.3879

47.0759, 0.4260,  
0.3879

41.9498, 0.4559,  
0.3969

52.8460, 0.3981,  
0.3769

37.4349, 0.4867,  
0.4028

59.2771, 0.3730,  
0.3651

33.5055, 0.5162,  
0.4040

66.3941, 0.3507,  
0.3531

30.1301, 0.5423,  
0.3999

74.2184, 0.3314,  
0.3414

27.6026, 0.5614,  
0.3924

82.7701, 0.3147,  
0.3304

■ 91.9628, 0.3012,  
0.3217

■ 96.5797, 0.3012,  
0.3290

# Harmonies

## Analogous

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



47.0759, 0.4233, 0.3434



47.0759, 0.4260, 0.3879



47.0759, 0.3963, 0.4234

# Triad

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



47.0759, 0.4260, 0.3879



47.0759, 0.2408, 0.3563



47.0759, 0.2724, 0.2419

# Complementary

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



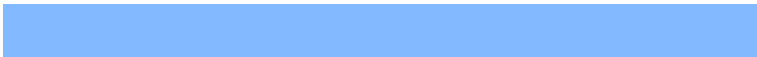
47.0759, 0.4260, 0.3879



43.5994, 0.2324, 0.2587

# 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.



47.0759, 0.2304, 0.2387



47.0759, 0.4260, 0.3879



47.0759, 0.2134, 0.2984

# Square

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



47.0759, 0.4260, 0.3879



47.0759, 0.2885, 0.4104



47.0759, 0.2100, 0.2572



47.0759, 0.3295, 0.2636



# Rectangle

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



47.0759, 0.4260, 0.3879



47.0759, 0.3639, 0.4349



47.0759, 0.2100, 0.2572



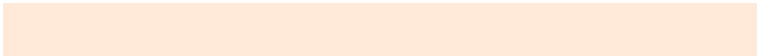
47.0759, 0.2562, 0.2386

# Sweetspot

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



47.0782, 0.4260, 0.3879



84.8134, 0.3384, 0.3458



33.5483, 0.3741, 0.2544



17.7305, 0.3425, 0.3482



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.



47.0782, 0.4260, 0.3879



49.4297, 0.4590, 0.3977



74.5491, 0.3915, 0.4460



16.1388, 0.3282, 0.3394



15.4571, 0.5586, 0.3946



1.4022, 0.5347, 0.4137



# Inverse Universe

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



43.5994, 0.2324, 0.2587



44.7898, 0.2172, 0.2403



23.8908, 0.2161, 0.1761



15.9543, 0.2981, 0.3184



12.8028, 0.1831, 0.1793



1.1963, 0.1894, 0.2019



# Previews

## White Background



This preview shows how the Yxy color 47.0759, 0.4260, 0.3879 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 47.0759, 0.4260, 0.3879 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

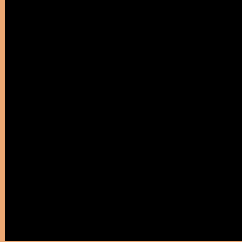
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0759, 0.4260, 0.3879**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0759, 0.4260, 0.3879.



This preview shows how white text looks on a background with the Yxy color 47.0759, 0.4260, 0.3879.

# 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

47.0759, 0.4260, 0.3879

### Protanopia

47.3896, 0.3780, 0.4077

### Deuteranopia

47.2470, 0.4086, 0.4006



## Tritanopia

47.2076, 0.3785, 0.3159

# Trichromacy



**Original Color**

47.0759, 0.4260, 0.3879

**Protanomaly**

47.1697, 0.3943, 0.4008

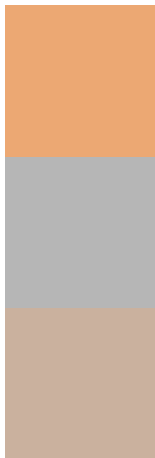
**Deuteranomaly**

46.8887, 0.4151, 0.3959

**Tritanomaly**

47.1686, 0.3962, 0.3427

# Monochromacy



**Original Color**

47.0759, 0.4260, 0.3879

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

46.4695, 0.3515, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0759, 0.4260, 0.3879 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(236, 168, 115)` looks like.

```
.text, #text, p{  
    color:rgb(236, 168, 115)  
}
```

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(236, 168, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 168, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0759, 0.4260, 0.3879 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(236, 168, 115) }
```

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

```
.border{ border-color:rgb(236, 168, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 168, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 168, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 168, 115);  
box-shadow:4px 4px 4px 4px rgb(236, 168,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0759, 0.4260, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 168, 115) }
```

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

```
.background{ background-color: rgb(236,  
168, 115) }
```

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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