

# Converting Colors

Yxy(39.4695, 0.4346, 0.4107)

Have a look what the booklet for  
Yxy(39.4695, 0.4346, 0.4107)  
contains.

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# Color

**Yxy(39.4711, 0.4346, 0.4107)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D69E59
RGB	214, 158, 89
RGB Percent	84%, 62%, 35%
CMY	0.1607, 0.3804, 0.6510
CMYK	0.00, 0.26, 0.58, 0.16
HSL	33°, 60%, 59%
HSV	33°, 58%, 84%
XYZ	41.7681, 39.4711, 14.8677
YIQ	166.8780, 55.5250, -9.5870

# Conversions

## Conversions Part 2

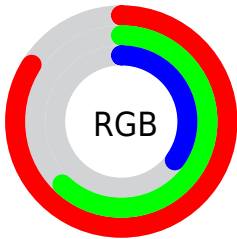
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 214, 89
Decimal	14065241
CIE <sub>Lab</sub>	69.09, 13.36, 43.72
CIE <sub>LCh</sub>	69, 45.716, 73.004
Yxy	39.4711, 0.4346, 0.4107
Android (android.graphics.Color)	4292255321 (0xFFD69E59)
YUV	166.8780, -38.3939, 41.3260
Hunter-Lab	62.8260, 8.7250, 29.9473

# Details

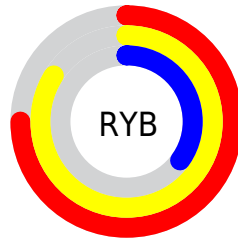
The Yxy color **39.4711, 0.4346, 0.4107** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.2422, 0.2179, 0.2249**, and the grayscale version is **38.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7716, 0.3973, 0.4026**, and **17.7365, 0.4663, 0.4274** is the 20% darker color. If you saturate the color by 10%, you get **36.0186, 0.4599, 0.4202**, and if you desaturate by 10%, it is **43.2875, 0.4095, 0.3984**.

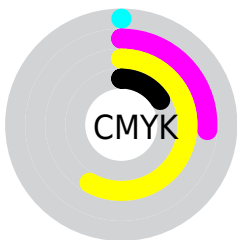
# Distribution



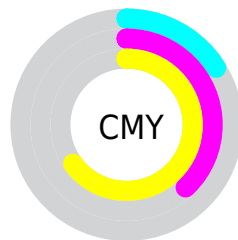
- Red (84%)
- Green (62%)
- Blue (35%)



- Red (75%)
- Yellow (84%)
- Blue (35%)



- Cyan (0%)
- Magenta (26%)
- Yellow (58%)
- Black (16%)




- Cyan (16%)
- Magenta (38%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4711, 0.4346, 0.4107 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 39.4711, 0.4346, 0.4107 by changing the saturation by 10% instead.




 39.4711, 0.4346,  
0.4107


 39.4711, 0.4346,  
0.4107


343.8893, 0.3734,  
0.3727

 27.1264, 0.4491,  
0.4185


 74.3574, 0.4128,  
0.3980

 17.6682, 0.4669,  
0.4273


 97.6679, 0.4044,  
0.3929

 10.7120, 0.4889,  
0.4364


 125.4024, 0.3973,  
0.3884

 5.8735, 0.5187,  
0.4470

 157.9453, 0.3912,  
0.3845

 2.7683, 0.5506,  
0.4494

195.6811, 0.3859,  
0.3810

 1.0120, 0.5741,  
0.4259

238.9941, 0.3812,

 0.0000, 1.0000,

0.3779

0.0000

288.2687, 0.3771,  
0.3752

0.0000, 0.0000,  
0.0000

39.4711, 0.4346,  
0.4107

39.4711, 0.4346,  
0.4107

36.0186, 0.4599,  
0.4202

43.2875, 0.4095,  
0.3984

32.9089, 0.4842,  
0.4255

47.4757, 0.3857,  
0.3843

30.1271, 0.5059,  
0.4258

52.0506, 0.3637,  
0.3695

27.6503, 0.5240,  
0.4209

57.0242, 0.3438,  
0.3548

27.2821, 0.5268,  
0.4199

62.4079, 0.3261,  
0.3405

■ 68.2125, 0.3104,  
0.3269

■ 74.4484, 0.2966,  
0.3143

■ 80.7845, 0.2874,  
0.3078

■ 86.4181, 0.2878,  
0.3179

# Harmonies

## Analogous

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



39.4711, 0.4463, 0.3615



39.4711, 0.4346, 0.4107



39.4711, 0.3895, 0.4463

# Triad

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



39.4711, 0.4346, 0.4107



39.4711, 0.2164, 0.3357



39.4711, 0.2870, 0.2364

# Complementary

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



39.4711, 0.4346, 0.4107



27.2422, 0.2179, 0.2249

# 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.



39.4711, 0.2323, 0.2250



39.4711, 0.4346, 0.4107



39.4711, 0.1952, 0.2736

# Square

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



39.4711, 0.4346, 0.4107



39.4711, 0.2633, 0.4053



39.4711, 0.2010, 0.2363



39.4711, 0.3556, 0.2669



# Rectangle

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



39.4711, 0.4346, 0.4107



39.4711, 0.3485, 0.4528



39.4711, 0.2010, 0.2363



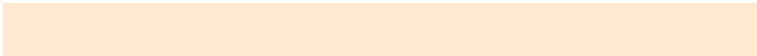
39.4711, 0.2666, 0.2303

# Sweetspot

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



39.4730, 0.4346, 0.4107



84.9581, 0.3434, 0.3544



23.4976, 0.4074, 0.2627



17.7051, 0.3490, 0.3587



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.



39.4730, 0.4346, 0.4107



52.4481, 0.4656, 0.4218



62.2074, 0.3903, 0.4686



13.5455, 0.3277, 0.3419



16.6959, 0.5248, 0.4215



1.1712, 0.5017, 0.4398



# Inverse Universe

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



27.2422, 0.2179, 0.2249



32.7227, 0.2003, 0.1984



14.4474, 0.2041, 0.1441



12.9160, 0.2982, 0.3158



8.1827, 0.1728, 0.1419

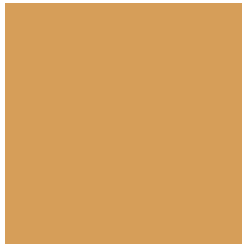


0.6574, 0.1820, 0.1753



# Previews

## White Background



This preview shows how the Yxy color 39.4711, 0.4346, 0.4107 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 39.4711, 0.4346, 0.4107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

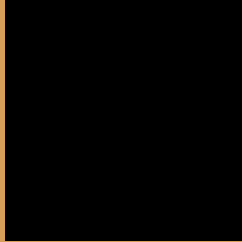
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4711, 0.4346, 0.4107**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4711, 0.4346, 0.4107.



This preview shows how white text looks on a background with the Yxy color 39.4711, 0.4346, 0.4107.

# 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

39.4711, 0.4346, 0.4107

### Protanopia

39.6054, 0.3954, 0.4300

### Deuteranopia

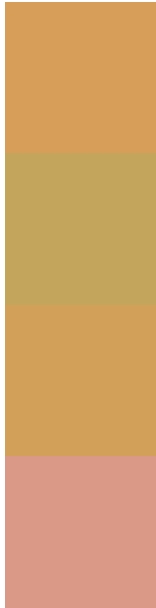
39.4597, 0.4261, 0.4179



## Tritanopia

39.6015, 0.3738, 0.3159

# Trichromacy



**Original Color**

39.4711, 0.4346, 0.4107

**Protanomaly**

39.4187, 0.4089, 0.4225

**Deuteranomaly**

39.5478, 0.4299, 0.4156

**Tritanomaly**

39.4372, 0.3979, 0.3512

# Monochromacy



**Original Color**

39.4711, 0.4346, 0.4107

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

38.6053, 0.3550, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4711, 0.4346, 0.4107 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(214, 158, 89)` looks like.

```
.text, #text, p{  
    color:rgb(214, 158, 89)  
}
```

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(214, 158, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 158, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4711, 0.4346, 0.4107 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(214, 158, 89) }
```

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

```
.border{ border-color:rgb(214, 158, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 158, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 158, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 158, 89);  
box-shadow:4px 4px 4px 4px rgb(214, 158,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4711, 0.4346, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 158, 89) }
```

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

```
.background{ background-color: rgb(214,  
158, 89) }
```

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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