

# Converting Colors

Yxy(39.2242, 0.4387, 0.4226)

Have a look what the booklet for  
Yxy(39.2242, 0.4387, 0.4226)  
contains.

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# Color

**Yxy(39.2097, 0.4387, 0.4230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D39F4F
RGB	211, 159, 79
RGB Percent	83%, 62%, 31%
CMY	0.1727, 0.3764, 0.6902
CMYK	0.00, 0.25, 0.63, 0.17
HSL	36°, 60%, 57%
HSV	36°, 63%, 83%
XYZ	40.6650, 39.2097, 12.8196
YIQ	165.4280, 56.6720, -13.8560

# Conversions

## Conversions Part 2

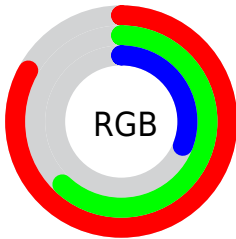
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 211, 79
Decimal	13868879
CIELab	68.90, 10.80, 48.36
CIELCh	69, 49.551, 77.412
Yxy	39.2097, 0.4387, 0.4230
Android (android.graphics.Color)	4292058959 (0xFFD39F4F)
YUV	165.4280, -42.6090, 39.9666
Hunter-Lab	62.6176, 6.3401, 31.6940

# Details

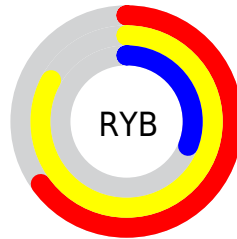
The Yxy color **39.2097, 0.4387, 0.4230** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.5765, 0.2091, 0.2045**, and the grayscale version is **38.0313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9918, 0.4036, 0.4130**, and **17.5813, 0.4701, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **36.1908, 0.4612, 0.4321**, and if you desaturate by 10%, it is **42.5217, 0.4155, 0.4105**.

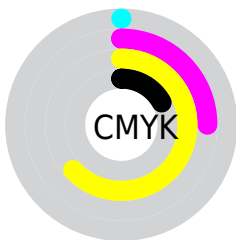
# Distribution



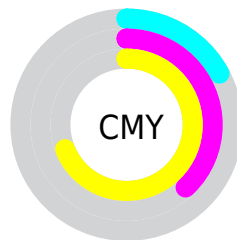
- Red (83%)
- Green (62%)
- Blue (31%)



- Red (65%)
- Yellow (83%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (63%)
- Black (17%)




- Cyan (17%)
- Magenta (38%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2097, 0.4387, 0.4230 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 39.2097, 0.4387, 0.4230 by changing the saturation by 10% instead.





 39.2097, 0.4387,  
0.4230

 39.2097, 0.4387,  
0.4230


342.7812, 0.3762,  
0.3793


 26.9229, 0.4530,  
0.4319


 73.9586, 0.4167,  
0.4084


 17.5153, 0.4703,  
0.4417


 97.1894, 0.4082,  
0.4025


 10.6026, 0.4908,  
0.4517


 124.8371, 0.4009,  
0.3974

 5.8003, 0.5236,  
0.4681

 157.2859, 0.3946,  
0.3928

 2.7240, 0.5392,  
0.4608

 194.9204, 0.3891,  
0.3889

 0.9894, 0.5589,  
0.4411

238.1248, 0.3843,

 0.0000, 1.0000,

0.3853

0.0000

287.2836, 0.3800,  
0.3821

0.0000, 0.0000,  
0.0000

39.2097, 0.4387,  
0.4230

39.2097, 0.4387,  
0.4230

36.1908, 0.4612,  
0.4321

42.5217, 0.4155,  
0.4105

33.4459, 0.4819,  
0.4366

46.1331, 0.3927,  
0.3959

30.9617, 0.4996,  
0.4359

50.0567, 0.3711,  
0.3800

29.2647, 0.5109,  
0.4326

54.3027, 0.3511,  
0.3638

58.8808, 0.3329,  
0.3480

■ 63.8001, 0.3166,  
0.3328

■ 69.0691, 0.3021,  
0.3184

■ 74.6962, 0.2892,  
0.3051

■ 79.7645, 0.2855,  
0.3067

# Harmonies

## Analogous

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



39.2097, 0.4584, 0.3708



39.2097, 0.4387, 0.4230



39.2097, 0.3856, 0.4593

# Triad

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



39.2097, 0.4387, 0.4230



39.2097, 0.2036, 0.3245



39.2097, 0.2949, 0.2333

# Complementary

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



39.2097, 0.4387, 0.4230



22.5765, 0.2091, 0.2045

# 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.



39.2097, 0.2332, 0.2178



39.2097, 0.4387, 0.4230



39.2097, 0.1858, 0.2608

# Square

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



39.2097, 0.4387, 0.4230



39.2097, 0.2499, 0.4022



39.2097, 0.1960, 0.2256



39.2097, 0.3700, 0.2683



# Rectangle

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



39.2097, 0.4387, 0.4230



39.2097, 0.3401, 0.4629



39.2097, 0.1960, 0.2256



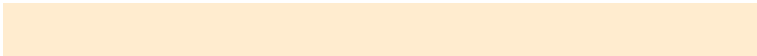
39.2097, 0.2720, 0.2258

# Sweetspot

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



39.2116, 0.4387, 0.4230



85.6947, 0.3448, 0.3585



21.0936, 0.4282, 0.2672



17.9170, 0.3502, 0.3631



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.



39.2116, 0.4387, 0.4230



54.1615, 0.4682, 0.4341



59.1077, 0.3886, 0.4793



12.9840, 0.3276, 0.3431



17.8731, 0.5091, 0.4339



1.1516, 0.4884, 0.4504



# Inverse Universe

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



22.5765, 0.2091, 0.2045



26.7722, 0.1903, 0.1734



12.5766, 0.2007, 0.1330



12.1701, 0.2982, 0.3145



6.7625, 0.1682, 0.1256



0.5310, 0.1785, 0.1626



# Previews

## White Background



This preview shows how the Yxy color 39.2097, 0.4387, 0.4230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

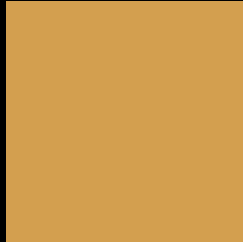
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.2097, 0.4387, 0.4230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

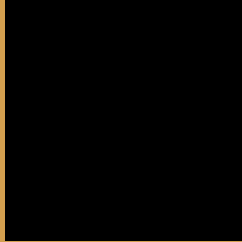
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2097, 0.4387, 0.4230**

## Background



This preview shows how black text looks on a background with the Yxy color 39.2097, 0.4387, 0.4230.



This preview shows how white text looks on a background with the Yxy color 39.2097, 0.4387, 0.4230.

# 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

39.2097, 0.4387, 0.4230

### Protanopia

39.4242, 0.4037, 0.4426

### Deuteranopia

39.1160, 0.4350, 0.4254



## Tritanopia

39.1376, 0.3708, 0.3158

# Trichromacy



**Original Color**

39.2097, 0.4387, 0.4230

**Protanomaly**

39.1065, 0.4165, 0.4349

**Deuteranomaly**

39.2614, 0.4359, 0.4250

**Tritanomaly**

38.8682, 0.3990, 0.3564

# Monochromacy



**Original Color**

39.2097, 0.4387, 0.4230

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

37.8607, 0.3580, 0.3694

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2097, 0.4387, 0.4230 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(211, 159, 79)` looks like.

```
.text, #text, p{  
    color:rgb(211, 159, 79)  
}
```

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(211, 159, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 159, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2097, 0.4387, 0.4230 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(211, 159, 79) }
```

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

```
.border{ border-color:rgb(211, 159, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 159, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 159, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 159, 79);  
box-shadow:4px 4px 4px 4px rgb(211, 159,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2097, 0.4387, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 159, 79) }
```

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

```
.background{ background-color: rgb(211,  
159, 79) }
```

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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