

# Converting Colors

$Y_{xy}(39.2020, 0.4639, 0.4699)$

Have a look what the booklet for  
Yxy(39.2020, 0.4639, 0.4699)  
contains.

<b>Yxy(39.1061, 0.4642, 0.4696)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(39.1061, 0.4642, 0.4696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFA200
RGB	207, 162, 0
RGB Percent	81%, 64%, 0%
CMY	0.1882, 0.3647, 0.9997
CMYK	0.00, 0.22, 1.00, 0.19
HSL	47°, 100%, 41%
HSV	47°, 100%, 81%
XYZ	38.6564, 39.1061, 5.5128
YIQ	156.9870, 78.8220, -40.8420

# Conversions

## Conversions Part 2

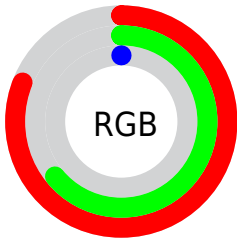
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 207, 0
Decimal	13607424
CIELab	68.83, 4.81, 72.27
CIELCh	69, 72.426, 86.190
Yxy	39.1061, 0.4642, 0.4696
Android (android.graphics.Color)	4291797504 (0xFFCFA200)
YUV	156.9870, -77.3946, 43.8614
Hunter-Lab	62.5349, 0.9051, 38.5476

# Details

The Yxy color **39.1061, 0.4642, 0.4696** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **6.3910, 0.1560, 0.0817**, and the grayscale version is **34.0453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9076, 0.4325, 0.4568**, and **17.5719, 0.4694, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **39.1013, 0.4642, 0.4696**, and if you desaturate by 10%, it is **40.7764, 0.4559, 0.4695**.

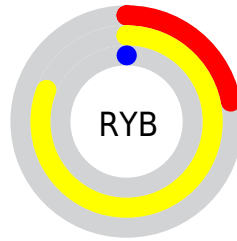
# Distribution



Red (81%)

Green (64%)

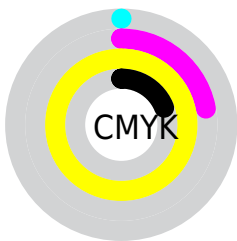
Blue (0%)



Red (22%)

Yellow (81%)

Blue (0%)

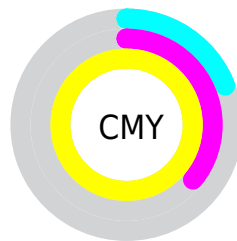


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (36%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1061, 0.4642, 0.4696 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 39.1061, 0.4642, 0.4696 by changing the saturation by 10% instead.





 39.1061, 0.4642,  
0.4696


 39.1061, 0.4642,  
0.4696


342.3414, 0.3959,  
0.4086


 26.8423, 0.4763,  
0.4793


 73.8004, 0.4427,  
0.4512

 17.4548, 0.4885,  
0.4882


 96.9996, 0.4335,  
0.4430


 10.5593, 0.5024,  
0.4976


 124.6128, 0.4253,  
0.4357

 5.7713, 0.5058,  
0.4942

 157.0243, 0.4180,  
0.4291

 2.7065, 0.5110,  
0.4890

 194.6185, 0.4116,  
0.4231

 0.9805, 0.5203,  
0.4797

 237.7798, 0.4058,

 0.0000, 0.0000,

0.4178

0.0000

286.8926, 0.4006,  
0.4130

39.1061, 0.4642,  
0.4696

39.1061, 0.4642,  
0.4696

39.1013, 0.4642,  
0.4696

40.7764, 0.4559,  
0.4695

42.5593, 0.4450,  
0.4652

44.4763, 0.4313,  
0.4563

46.5384, 0.4154,  
0.4432

48.7551, 0.3980,  
0.4268

■ 51.1345, 0.3800,  
0.4082

■ 53.6841, 0.3620,  
0.3884

■ 56.4108, 0.3445,  
0.3681

■ 59.3209, 0.3280,  
0.3481

# Harmonies

## Analogous

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



39.1061, 0.5156, 0.3964



39.1061, 0.4642, 0.4696



39.1061, 0.3784, 0.5238

# Triad

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



39.1061, 0.4642, 0.4696



39.1061, 0.1510, 0.2858



39.1061, 0.3153, 0.2100

# Complementary

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



39.1061, 0.4642, 0.4696



6.3910, 0.1560, 0.0817

# 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.



39.1061, 0.2221, 0.1817



39.1061, 0.4642, 0.4696



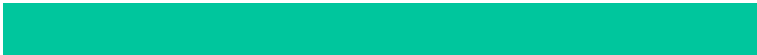
39.1061, 0.1415, 0.2114

# Square

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



39.1061, 0.4642, 0.4696



39.1061, 0.1983, 0.4039



39.1061, 0.1647, 0.1803



39.1061, 0.4260, 0.2609



# Rectangle

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



39.1061, 0.4642, 0.4696



39.1061, 0.3137, 0.5243



39.1061, 0.1647, 0.1803



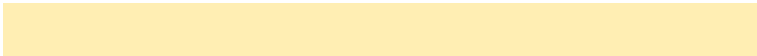
39.1061, 0.2807, 0.1978

# Sweetspot

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



39.1080, 0.4642, 0.4696



85.8518, 0.3627, 0.3892



13.4861, 0.5997, 0.3078



17.9964, 0.3703, 0.3977



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.



39.1080, 0.4642, 0.4696



62.3485, 0.4649, 0.4691



51.2934, 0.3726, 0.5424



13.3429, 0.3271, 0.3471



24.7753, 0.4635, 0.4702



1.4962, 0.4538, 0.4779



# Inverse Universe

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



6.3910, 0.1560, 0.0817



9.9978, 0.1556, 0.0800



5.3274, 0.1657, 0.0687



11.8287, 0.2982, 0.3103



4.1376, 0.1566, 0.0836



0.3514, 0.1663, 0.1185



# Previews

## White Background



This preview shows how the Yxy color 39.1061, 0.4642, 0.4696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

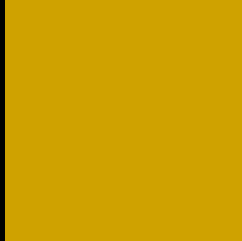
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.1061, 0.4642, 0.4696 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 39.1061, 0.4642, 0.4696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1061, 0.4642, 0.4696.



This preview shows how white text looks on a background with the Yxy color 39.1061, 0.4642, 0.4696.

# 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

39.1061, 0.4642, 0.4696

### Protanopia

39.3450, 0.4389, 0.4867

### Deuteranopia

38.9666, 0.4716, 0.4606



## Tritanopia

39.1889, 0.3674, 0.3157

# Trichromacy



## Original Color

39.1061, 0.4642, 0.4696

## Protanomaly

39.0213, 0.4485, 0.4803

## Deuteranomaly

39.0058, 0.4692, 0.4636

## Tritanomaly

38.4190, 0.4225, 0.3928

# Monochromacy



## Original Color

39.1061, 0.4642, 0.4696

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

34.8303, 0.3842, 0.4133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1061, 0.4642, 0.4696 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(207, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 162, 0)  
}
```

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(207, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 162, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1061, 0.4642, 0.4696 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(207, 162, 0) }
```

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

```
.border{ border-color:rgb(207, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 162,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1061, 0.4642, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 162, 0) }
```

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

```
.background{ background-color: rgb(207,  
162, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor