

Converting Colors

$Y_{xy}(39.2824, 0.4594, 0.4734)$

Have a look what the booklet for
Yxy(39.2824, 0.4594, 0.4734)
contains.

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Color

Yxy(39.3883, 0.4591, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	CCA400
RGB	204, 164, 0
RGB Percent	80%, 64%, 0%
CMY	0.2001, 0.3568, 1.0000
CMYK	0.00, 0.20, 1.00, 0.20
HSL	48°, 100%, 40%
HSV	48°, 100%, 80%
XYZ	38.1743, 39.3883, 5.5877
YIQ	157.2640, 76.4840, -42.5240

Conversions

Conversions Part 2

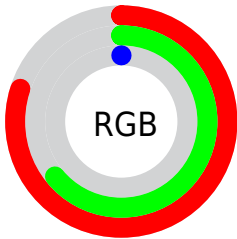
Format	Color
RYB	50, 204, 0
Decimal	13411328
CIELab	69.03, 2.39, 72.28
CIELCh	69, 72.323, 88.107
Yxy	39.3883, 0.4591, 0.4737
Android (android.graphics.Color)	4291601408 (0xFFCCA400)
YUV	157.2640, -77.5312, 40.9875
Hunter-Lab	62.7601, -1.2562, 38.6533

Details

The Yxy color **39.3883, 0.4591, 0.4737** 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 **5.8749, 0.1551, 0.0782**, and the grayscale version is **34.1736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4589, 0.4304, 0.4592**, and **17.8300, 0.4636, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **39.3904, 0.4591, 0.4737**, and if you desaturate by 10%, it is **40.8959, 0.4515, 0.4731**.

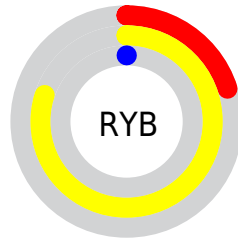
Distribution



Red (80%)

Green (64%)

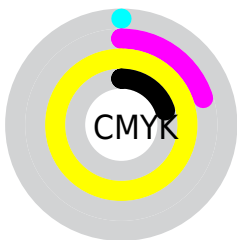
Blue (0%)



Red (20%)

Yellow (80%)

Blue (0%)

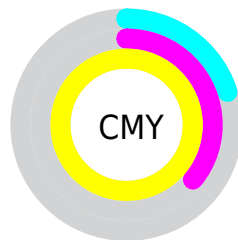


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3883, 0.4591, 0.4737 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 39.3883, 0.4591, 0.4737 by changing the saturation by 10% instead.


 39.3883, 0.4591,
0.4737


 39.3883, 0.4591,
0.4737

343.5386, 0.3935,
0.4101

 27.0619, 0.4705,
0.4842


 74.2311, 0.4386,
0.4542

 17.6197, 0.4818,
0.4942


 97.5164, 0.4298,
0.4457


 10.6773, 0.4948,
0.5052


 125.2234, 0.4219,
0.4380


 5.8503, 0.4965,
0.5035

 157.7366, 0.4149,
0.4312

 2.7543, 0.4991,
0.5009

 195.4403, 0.4087,
0.4251

 1.0048, 0.5037,
0.4963

 238.7189, 0.4031,

 0.0000, 0.0000,

0.4195

0.0000

287.9569, 0.3980,
0.4146

39.3883, 0.4591,
0.4737

39.3883, 0.4591,
0.4737

39.3904, 0.4591,
0.4737

40.8959, 0.4515,
0.4731

42.5016, 0.4414,
0.4685

44.2267, 0.4286,
0.4592

46.0816, 0.4134,
0.4459

48.0752, 0.3967,
0.4292

■ 50.2153, 0.3792,
0.4102

■ 52.5090, 0.3615,
0.3899

■ 54.9627, 0.3443,
0.3692

■ 57.5825, 0.3280,
0.3487

Harmonies

Analogous

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



39.3883, 0.5133, 0.4010



39.3883, 0.4591, 0.4737



39.3883, 0.3722, 0.5248

Triad

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



39.3883, 0.4591, 0.4737



39.3883, 0.1499, 0.2798



39.3883, 0.3223, 0.2130

Complementary

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



39.3883, 0.4591, 0.4737



5.8749, 0.1551, 0.0782

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.



39.3883, 0.2273, 0.1832



39.3883, 0.4591, 0.4737



39.3883, 0.1425, 0.2086

Square

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



39.3883, 0.4591, 0.4737



39.3883, 0.1945, 0.3955



39.3883, 0.1677, 0.1800



39.3883, 0.4322, 0.2650

Rectangle

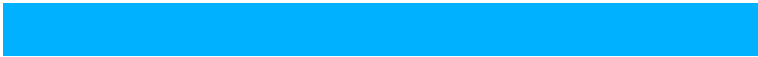
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.3883, 0.4591, 0.4737



39.3883, 0.3076, 0.5212



39.3883, 0.1677, 0.1800



39.3883, 0.2872, 0.2003

Sweetspot

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



39.3904, 0.4591, 0.4737



86.8195, 0.3622, 0.3907



12.9942, 0.6089, 0.3128



18.2297, 0.3697, 0.3995



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.



39.3904, 0.4591, 0.4737



64.9357, 0.4597, 0.4732



49.0004, 0.3670, 0.5468



12.7085, 0.3270, 0.3475



24.9285, 0.4584, 0.4742



1.3840, 0.4494, 0.4814

Inverse Universe

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



5.8749, 0.1551, 0.0782



9.4989, 0.1546, 0.0765



5.3573, 0.1696, 0.0708



11.1940, 0.2982, 0.3098



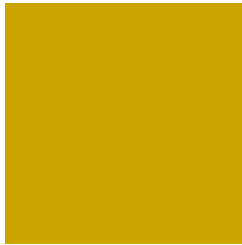
3.8032, 0.1556, 0.0801



0.3043, 0.1655, 0.1157

Previews

White Background



This preview shows how the Yxy color 39.3883, 0.4591, 0.4737 looks on a white background.

Color Contrast Check

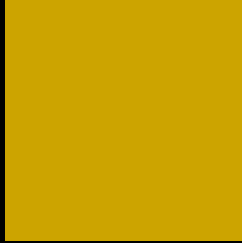
Large Text (above 18pt) WCAG AA × Fail

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 39.3883, 0.4591, 0.4737 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 39.3883, 0.4591, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 39.3883, 0.4591, 0.4737.



This preview shows how white text looks on a background with the Yxy color 39.3883, 0.4591, 0.4737.

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

39.3883, 0.4591, 0.4737

Protanopia

39.3428, 0.4390, 0.4869

Deuteranopia

39.3195, 0.4700, 0.4609



Tritanopia

39.1339, 0.3621, 0.3143

Trichromacy



Original Color

39.3883, 0.4591, 0.4737

Protanomaly

39.2527, 0.4464, 0.4820

Deuteranomaly

39.2111, 0.4669, 0.4649

Tritanomaly

38.3317, 0.4178, 0.3937

Monochromacy



Original Color

39.3883, 0.4591, 0.4737

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.0604, 0.3825, 0.4149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3883, 0.4591, 0.4737 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(204, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 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(204, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.3883, 0.4591, 0.4737 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(204, 164, 0) }
```

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

```
.border{ border-color:rgb(204, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3883, 0.4591, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 0) }
```

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

```
.background{ background-color: rgb(204,  
164, 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](#).

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