

Converting Colors

$Y_{xy}(40.3603, 0.4434, 0.4850)$

Have a look what the booklet for
Yxy(40.3603, 0.4434, 0.4850)
contains.

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Color

Yxy(40.3603, 0.4434, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	C3AA04
RGB	195, 170, 4
RGB Percent	76%, 67%, 2%
CMY	0.2354, 0.3333, 0.9845
CMYK	0.00, 0.13, 0.98, 0.24
HSL	52°, 96%, 39%
HSV	52°, 98%, 76%
XYZ	36.8985, 40.3603, 5.9583
YIQ	158.5510, 68.1860, -46.3260

Conversions

Conversions Part 2

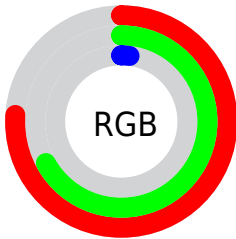
Format	Color
R _Y B	33, 195, 4
Decimal	12823044
CIE Lab	69.73, -4.76, 71.87
CIE LCh	70, 72.029, 93.787
Yxy	40.3603, 0.4434, 0.4850
Android (android.graphics.Color)	4291013124 (0xFFC3AA04)
YUV	158.5510, -76.1936, 31.9658
Hunter-Lab	63.5298, -7.5032, 38.9101

Details

The Yxy color **40.3603, 0.4434, 0.4850** 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 **4.8392, 0.1538, 0.0720**, and the grayscale version is **34.7837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6749, 0.4253, 0.4626**, and **18.1911, 0.4440, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **40.1607, 0.4445, 0.4853**, and if you desaturate by 10%, it is **41.3821, 0.4376, 0.4826**.

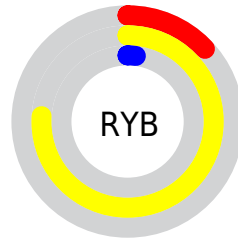
Distribution



Red (76%)

Green (67%)

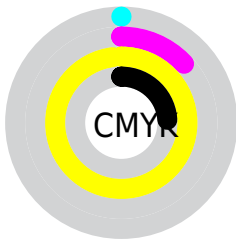
Blue (2%)



Red (13%)

Yellow (76%)

Blue (2%)

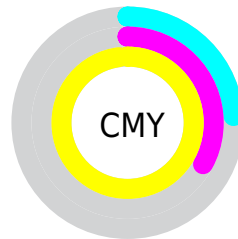


Cyan (0%)

Magenta (13%)

Yellow (98%)

Black (24%)



Cyan (24%)


Magenta (33%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3603, 0.4434, 0.4850 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 40.3603, 0.4434, 0.4850 by changing the saturation by 10% instead.


 40.3603, 0.4434,
0.4850


 40.3603, 0.4434,
0.4850


347.6398, 0.3861,
0.4139

 27.8196, 0.4529,
0.4979


 75.7119, 0.4258,
0.4623


 18.1897, 0.4617,
0.5111


 99.2915, 0.4181,
0.4528

 11.0863, 0.4723,
0.5277

 127.3195, 0.4112,
0.4443

 6.1249, 0.4690,
0.5310

 160.1804, 0.4051,
0.4367

 2.9212, 0.4638,
0.5362

 198.2584, 0.3995,
0.4301

 1.0907, 0.4545,
0.5455

 241.9381, 0.3946,

 0.0000, 0.0000,

0.4241

0.0000

291.6038, 0.3901,
0.4187

■ 40.3603, 0.4434,
0.4850

■ 40.3603, 0.4434,
0.4850

■ 40.1607, 0.4445,
0.4853

■ 41.3821, 0.4376,
0.4826

■ 42.4760, 0.4291,
0.4761

■ 43.6569, 0.4180,
0.4651

■ 44.9335, 0.4045,
0.4501

■ 46.3134, 0.3894,
0.4319

■ 47.8031, 0.3732,
0.4115

■ 49.4086, 0.3567,
0.3898

■ 51.1354, 0.3404,
0.3677

■ 52.9885, 0.3247,
0.3459

Harmonies

Analogous

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



40.3603, 0.5049, 0.4146



40.3603, 0.4434, 0.4850



40.3603, 0.3540, 0.5255

Triad

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



40.3603, 0.4434, 0.4850



40.3603, 0.1474, 0.2635



40.3603, 0.3429, 0.2224

Complementary

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



40.3603, 0.4434, 0.4850



4.8392, 0.1538, 0.0720

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.



40.3603, 0.2435, 0.1882



40.3603, 0.4434, 0.4850



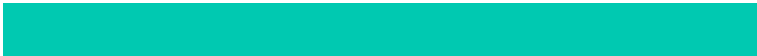
40.3603, 0.1463, 0.2017

Square

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



40.3603, 0.4434, 0.4850



40.3603, 0.1844, 0.3712



40.3603, 0.1776, 0.1798



40.3603, 0.4491, 0.2772

Rectangle

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



40.3603, 0.4434, 0.4850



40.3603, 0.2899, 0.5097



40.3603, 0.1776, 0.1798



40.3603, 0.3070, 0.2084

Sweetspot

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



40.3622, 0.4434, 0.4850



88.0741, 0.3592, 0.3930



11.7760, 0.6186, 0.3199



19.0107, 0.3664, 0.4025



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.



40.3622, 0.4434, 0.4850



71.6801, 0.4449, 0.4850



43.3853, 0.3570, 0.5535



11.5265, 0.3268, 0.3488



26.1956, 0.4441, 0.4856



1.1956, 0.4378, 0.4906

Inverse Universe

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



4.8392, 0.1538, 0.0720



8.1443, 0.1523, 0.0682



5.4804, 0.1811, 0.0781



9.9555, 0.2983, 0.3083



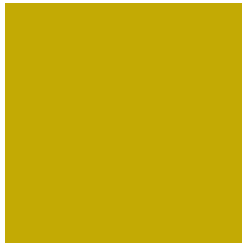
3.0971, 0.1531, 0.0711



0.2047, 0.1618, 0.1023

Previews

White Background



This preview shows how the Yxy color 40.3603, 0.4434, 0.4850 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 40.3603, 0.4434, 0.4850 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 40.3603, 0.4434, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 40.3603, 0.4434, 0.4850.

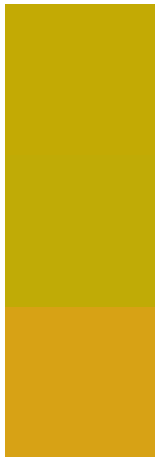


This preview shows how white text looks on a background with the Yxy color 40.3603, 0.4434, 0.4850.

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

40.3603, 0.4434, 0.4850

Protanopia

40.3454, 0.4392, 0.4877

Deuteranopia

40.3419, 0.4681, 0.4597



Tritanopia

40.3351, 0.3477, 0.3140

Trichromacy



Original Color

40.3603, 0.4434, 0.4850

Protanomaly

40.4742, 0.4403, 0.4871

Deuteranomaly

40.3547, 0.4596, 0.4689

Tritanomaly

39.3840, 0.4004, 0.3960

Monochromacy



Original Color

40.3603, 0.4434, 0.4850

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9443, 0.3762, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3603, 0.4434, 0.4850 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(195, 170, 4)` looks like.

```
.text, #text, p{  
    color:rgb(195, 170, 4)  
}
```

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(195, 170, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 170, 4) }
```

Border

The CSS property to change the border of an element to Yxy 40.3603, 0.4434, 0.4850 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(195, 170, 4) }
```

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

```
.border{ border-color:rgb(195, 170, 4) }
```

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

Here you see how a box with a 4 pixel rgb(195, 170, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 170, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 170, 4);  
box-shadow:4px 4px 4px 4px rgb(195, 170,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3603, 0.4434, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 170, 4) }
```

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

```
.background{ background-color: rgb(195,  
170, 4) }
```

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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