

Converting Colors

$Y_{xy}(47.0223, 0.4380, 0.4904)$

Have a look what the booklet for
Yxy(47.0223, 0.4380, 0.4904)
contains.

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Color

Yxy(47.1183, 0.4378, 0.4906)

Conversions

Conversions Part 1

Format	Color
Hex	CCB800
RGB	204, 184, 0
RGB Percent	80%, 72%, 0%
CMY	0.1999, 0.2784, 1.0000
CMYK	0.00, 0.10, 1.00, 0.20
HSL	54°, 100%, 40%
HSV	54°, 100%, 80%
XYZ	42.0473, 47.1183, 6.8766
YIQ	169.0040, 70.9840, -52.9840

Conversions

Conversions Part 2

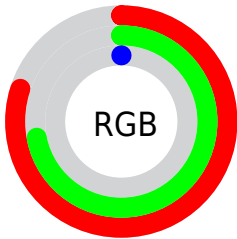
Format	Color
RYB	22, 204, 0
Decimal	13416448
CIELab	74.27, -8.09, 75.98
CIELCh	74, 76.413, 96.080
Yxy	47.1183, 0.4378, 0.4906
Android (android.graphics.Color)	4291606528 (0xFFCCB800)
YUV	169.0040, -83.3190, 30.6915
Hunter-Lab	68.6428, -10.7843, 42.1103

Details

The Yxy color **47.1183, 0.4378, 0.4906** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **4.8621, 0.1517, 0.0661**, and the grayscale version is **40.0751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1743, 0.4146, 0.4724**, and **22.2523, 0.4370, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **47.1207, 0.4378, 0.4906**, and if you desaturate by 10%, it is **48.0106, 0.4333, 0.4884**.

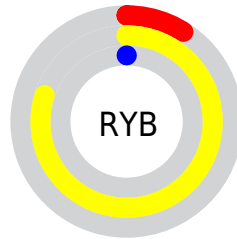
Distribution



Red (80%)

Green (72%)

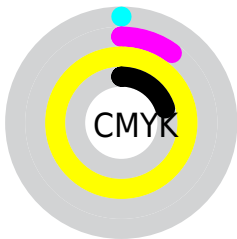
Blue (0%)



Red (9%)

Yellow (80%)

Blue (0%)

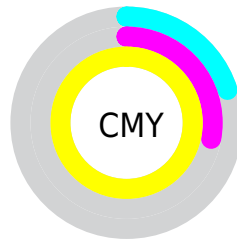


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1183, 0.4378, 0.4906 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 47.1183, 0.4378, 0.4906 by changing the saturation by 10% instead.

 47.1183, 0.4378,
0.4906

 47.1183, 0.4378,
0.4906


375.2865, 0.3853,
0.4183

 33.1292, 0.4460,
0.5037


 85.8902, 0.4222,
0.4677


 22.2254, 0.4534,
0.5174


 111.4417, 0.4152,
0.4580


 14.0226, 0.4632,
0.5359


 141.6162, 0.4089,
0.4494

 8.1364, 0.4588,
0.5412

 176.7980, 0.4032,
0.4417

 4.1824, 0.4516,
0.5484

 217.3716, 0.3980,
0.4349

 1.7761, 0.4396,
0.5604

 263.7213, 0.3933,

 0.4722, 0.3473,

0.4287

0.6527

316.2314, 0.3891,
0.4232

0.0000, 0.0000,
0.0000

47.1183, 0.4378,
0.4906

47.1183, 0.4378,
0.4906

47.1207, 0.4378,
0.4906

48.0106, 0.4333,
0.4884

48.9672, 0.4265,
0.4824

50.0094, 0.4169,
0.4720

51.1471, 0.4049,
0.4575

52.3890, 0.3909,
0.4394

■ 53.7425, 0.3756,
0.4188

■ 55.2144, 0.3596,
0.3967

■ 56.8108, 0.3435,
0.3738

■ 58.5374, 0.3277,
0.3511

Harmonies

Analogous

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



47.1183, 0.5029, 0.4204



47.1183, 0.4378, 0.4906



47.1183, 0.3466, 0.5273

Triad

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



47.1183, 0.4378, 0.4906



47.1183, 0.1452, 0.2565



47.1183, 0.3515, 0.2254

Complementary

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



47.1183, 0.4378, 0.4906



4.8621, 0.1517, 0.0661

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.



47.1183, 0.2496, 0.1891



47.1183, 0.4378, 0.4906



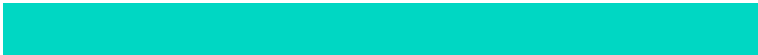
47.1183, 0.1467, 0.1979

Square

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



47.1183, 0.4378, 0.4906



47.1183, 0.1793, 0.3619



47.1183, 0.1805, 0.1786



47.1183, 0.4571, 0.2816

Rectangle

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



47.1183, 0.4378, 0.4906



47.1183, 0.2824, 0.5066



47.1183, 0.1805, 0.1786



47.1183, 0.3150, 0.2107

Sweetspot

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



47.1207, 0.4378, 0.4906



91.3163, 0.3602, 0.3975



12.8929, 0.6294, 0.3241



19.3181, 0.3671, 0.4071



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.



47.1207, 0.4378, 0.4906



77.8358, 0.4380, 0.4904



47.3656, 0.3508, 0.5597



12.9011, 0.3268, 0.3497



29.7268, 0.4375, 0.4908



1.5894, 0.4335, 0.4940

Inverse Universe

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



4.8621, 0.1517, 0.0661



7.9166, 0.1515, 0.0652



6.1372, 0.1838, 0.0786



11.0182, 0.2982, 0.3074



3.1227, 0.1521, 0.0674



0.2231, 0.1582, 0.0894

Previews

White Background



This preview shows how the Yxy color 47.1183, 0.4378, 0.4906 looks on a white background.

Color Contrast Check

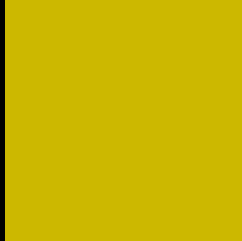
Large Text (above 18pt) WCAG AA × Fail

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 47.1183, 0.4378, 0.4906 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 47.1183, 0.4378, 0.4906

Background



This preview shows how black text looks on a background with the Yxy color 47.1183, 0.4378, 0.4906.

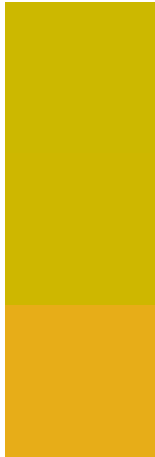


This preview shows how white text looks on a background with the Yxy color 47.1183, 0.4378, 0.4906.

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

47.1183, 0.4378, 0.4906

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

46.9420, 0.4694, 0.4584



Tritanopia

47.0336, 0.3416, 0.3136

Trichromacy



Original Color

47.1183, 0.4378, 0.4906

Protanomaly

46.8461, 0.4397, 0.4891

Deuteranomaly

46.8509, 0.4582, 0.4705

Tritanomaly

46.1839, 0.3961, 0.4012

Monochromacy



Original Color

47.1183, 0.4378, 0.4906

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2999, 0.3765, 0.4187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1183, 0.4378, 0.4906 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, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 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, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.1183, 0.4378, 0.4906 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, 184, 0) }
```

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

```
.border{ border-color:rgb(204, 184, 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, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1183, 0.4378, 0.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 0) }
```

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

```
.background{ background-color: rgb(204,  
184, 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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