

Converting Colors

$Y_{xy}(33.1073, 0.4743, 0.4616)$

Have a look what the booklet for
Yxy(33.1073, 0.4743, 0.4616)
contains.

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Color

Yxy(33.0096, 0.4748, 0.4612)

Conversions

Conversions Part 1

Format	Color
Hex	C79300
RGB	199, 147, 0
RGB Percent	78%, 58%, 0%
CMY	0.2197, 0.4235, 0.9999
CMYK	0.00, 0.26, 1.00, 0.22
HSL	44°, 100%, 39%
HSV	44°, 100%, 78%
XYZ	33.9830, 33.0096, 4.5807
YIQ	145.7900, 78.1790, -34.6930

Conversions

Conversions Part 2

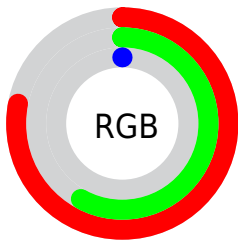
Format	Color
R _Y B	70, 199, 0
Decimal	13079296
CIE Lab	64.17, 9.32, 68.66
CIE LCh	64, 69.293, 82.268
Yxy	33.0096, 0.4748, 0.4612
Android (android.graphics.Color)	4291269376 (0xFFC79300)
YUV	145.7900, -71.8745, 46.6652
Hunter-Lab	57.4540, 5.0351, 35.4907

Details

The Yxy color **33.0096, 0.4748, 0.4612** 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 **6.5775, 0.1584, 0.0904**, and the grayscale version is **28.9319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5143, 0.4458, 0.4471**, and **14.1248, 0.4845, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **33.0094, 0.4748, 0.4612**, and if you desaturate by 10%, it is **34.7147, 0.4648, 0.4618**.

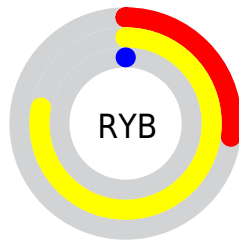
Distribution



Red (78%)

Green (58%)

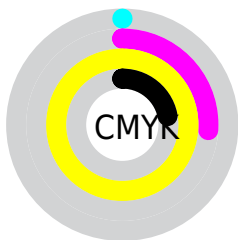
Blue (0%)



Red (27%)

Yellow (78%)

Blue (0%)

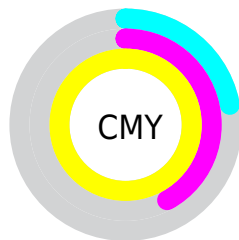


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0096, 0.4748, 0.4612 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 33.0096, 0.4748, 0.4612 by changing the saturation by 10% instead.


 33.0096, 0.4748,
0.4612

 33.0096, 0.4748,
0.4612


315.6930, 0.3986,
0.4038


 22.1338, 0.4890,
0.4697


 64.3905, 0.4501,
0.4442


 13.9552, 0.5046,
0.4775


 85.6644, 0.4398,
0.4365

 8.0895, 0.5189,
0.4811


 111.1732, 0.4307,
0.4295

 4.1523, 0.5266,
0.4734

 141.3011, 0.4227,
0.4232

 1.7591, 0.5391,
0.4609

 176.4327, 0.4156,
0.4176

 0.4615, 0.5908,
0.4092

 216.9522, 0.4093,

 0.0000, 0.0000,

0.4125

0.0000

 263.2442, 0.4037,
0.4079


 33.0096, 0.4748,
0.4612

 33.0096, 0.4748,
0.4612


 33.0094, 0.4748,
0.4612

 34.7147, 0.4648,
0.4618

 36.5437, 0.4521,
0.4583

 38.5171, 0.4367,
0.4500

 40.6452, 0.4192,
0.4375

 42.9370, 0.4006,
0.4219

■ 45.4002, 0.3815,
0.4041

■ 48.0420, 0.3628,
0.3852

■ 50.8690, 0.3449,
0.3660

■ 53.8873, 0.3281,
0.3471

Harmonies

Analogous

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



33.0096, 0.5205, 0.3869



33.0096, 0.4748, 0.4612



33.0096, 0.3910, 0.5215

Triad

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



33.0096, 0.4748, 0.4612



33.0096, 0.1534, 0.2987



33.0096, 0.3012, 0.2037

Complementary

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



33.0096, 0.4748, 0.4612



6.5775, 0.1584, 0.0904

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.



33.0096, 0.2114, 0.1786



33.0096, 0.4748, 0.4612



33.0096, 0.1393, 0.2171

Square

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



33.0096, 0.4748, 0.4612



33.0096, 0.2062, 0.4216



33.0096, 0.1584, 0.1809



33.0096, 0.4133, 0.2524

Rectangle

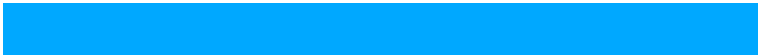
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.0096, 0.4748, 0.4612



33.0096, 0.3262, 0.5301



33.0096, 0.1584, 0.1809



33.0096, 0.2674, 0.1925

Sweetspot

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



33.0113, 0.4748, 0.4612



83.9222, 0.3636, 0.3861



12.3975, 0.5888, 0.3018



17.5321, 0.3716, 0.3942



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.



33.0113, 0.4748, 0.4612



57.3966, 0.4758, 0.4604



47.5664, 0.3784, 0.5377



11.9300, 0.3271, 0.3460



21.3792, 0.4739, 0.4619



1.1252, 0.4601, 0.4729

Inverse Universe

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



6.5775, 0.1584, 0.0904



11.1872, 0.1578, 0.0881



4.7143, 0.1625, 0.0669



10.7305, 0.2983, 0.3114



4.3522, 0.1591, 0.0926



0.3280, 0.1708, 0.1350

Previews

White Background



This preview shows how the Yxy color 33.0096, 0.4748, 0.4612 looks on a white background.

Color Contrast Check

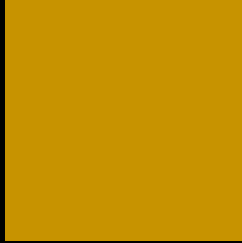
Large Text (above 18pt) WCAG AA × Fail

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 33.0096, 0.4748, 0.4612 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 33.0096, 0.4748, 0.4612

Background



This preview shows how black text looks on a background with the Yxy color 33.0096, 0.4748, 0.4612.



This preview shows how white text looks on a background with the Yxy color 33.0096, 0.4748, 0.4612.

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

33.0096, 0.4748, 0.4612

Protanopia

33.0312, 0.4390, 0.4857

Deuteranopia

33.0501, 0.4716, 0.4637



Tritanopia

33.1197, 0.3789, 0.3164

Trichromacy



Original Color

33.0096, 0.4748, 0.4612

Protanomaly

32.9882, 0.4514, 0.4773

Deuteranomaly

33.1856, 0.4726, 0.4629

Tritanomaly

32.5544, 0.4322, 0.3890

Monochromacy



Original Color

33.0096, 0.4748, 0.4612

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3474, 0.3875, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0096, 0.4748, 0.4612 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(199, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 147, 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(199, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.0096, 0.4748, 0.4612 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(199, 147, 0) }
```

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

```
.border{ border-color:rgb(199, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 147,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0096, 0.4748, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 147, 0) }
```

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

```
.background{ background-color: rgb(199,  
147, 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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