

Converting Colors

$Y_{xy}(33.8344, 0.4790, 0.4578)$

Have a look what the booklet for
Yxy(33.8344, 0.4790, 0.4578)
contains.

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Color

Yxy(33.7048, 0.4796, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	CC9300
RGB	204, 147, 0
RGB Percent	80%, 58%, 0%
CMY	0.1999, 0.4236, 1.0000
CMYK	0.00, 0.28, 1.00, 0.20
HSL	43°, 100%, 40%
HSV	43°, 100%, 80%
XYZ	35.3407, 33.7048, 4.6423
YIQ	147.2850, 81.1590, -33.6330

Conversions

Conversions Part 2

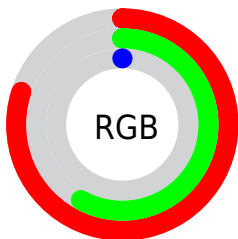
Format	Color
R _Y B	79, 204, 0
Decimal	13406976
CIE Lab	64.73, 11.58, 69.32
CIE LCh	65, 70.276, 80.518
Yxy	33.7048, 0.4796, 0.4574
Android (android.graphics.Color)	4291597056 (0xFFCC9300)
YUV	147.2850, -72.6115, 49.7391
Hunter-Lab	58.0558, 7.0616, 35.8981

Details

The Yxy color **33.7048, 0.4796, 0.4574** 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 **7.2901, 0.1595, 0.0940**, and the grayscale version is **29.5849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5143, 0.4458, 0.4471**, and **14.4787, 0.4897, 0.4494** is the 20% darker color. If you saturate the color by 10%, you get **33.7065, 0.4796, 0.4574**, and if you desaturate by 10%, it is **35.5763, 0.4689, 0.4585**.

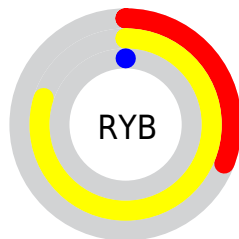
Distribution



Red (80%)

Green (58%)

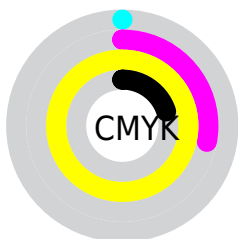
Blue (0%)



Red (31%)

Yellow (80%)

Blue (0%)

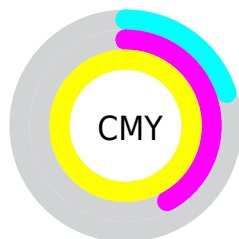


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7048, 0.4796, 0.4574 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 33.7048, 0.4796, 0.4574 by changing the saturation by 10% instead.

 33.7048, 0.4796,
0.4574

 33.7048, 0.4796,
0.4574


318.8138, 0.4012,
0.4028


 22.6669, 0.4943,
0.4650


 65.4743, 0.4542,
0.4415


 14.3478, 0.5104,
0.4716

 86.9748, 0.4435,
0.4343


 8.3629, 0.5260,
0.4740

 112.7315, 0.4342,
0.4276

 4.3280, 0.5351,
0.4649

 143.1290, 0.4259,
0.4216

 1.8587, 0.5500,
0.4500

 178.5516, 0.4187,
0.4162

 0.5234, 0.5985,
0.4015

 219.3836, 0.4122,


 0.0000, 0.0000,

0.4113

0.0000

 266.0095, 0.4064,
0.4068


 33.7048, 0.4796,
0.4574


 33.7048, 0.4796,
0.4574


 33.7065, 0.4796,
0.4574

 35.5763, 0.4689,
0.4585

 37.5902, 0.4555,
0.4554

 39.7680, 0.4394,
0.4474

 42.1211, 0.4212,
0.4353

 44.6591, 0.4019,
0.4200

■ 47.3906, 0.3824,
0.4025

■ 50.3234, 0.3633,
0.3840

■ 53.4647, 0.3451,
0.3652

■ 56.8212, 0.3282,
0.3467

Harmonies

Analogous

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



33.7048, 0.5226, 0.3827



33.7048, 0.4796, 0.4574



33.7048, 0.3968, 0.5203

Triad

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



33.7048, 0.4796, 0.4574



33.7048, 0.1544, 0.3047



33.7048, 0.2949, 0.2009

Complementary

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



33.7048, 0.4796, 0.4574



7.2901, 0.1595, 0.0940

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.



33.7048, 0.2067, 0.1771



33.7048, 0.4796, 0.4574



33.7048, 0.1383, 0.2197

Square

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



33.7048, 0.4796, 0.4574



33.7048, 0.2097, 0.4297



33.7048, 0.1556, 0.1812



33.7048, 0.4075, 0.2486

Rectangle

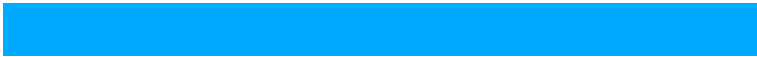
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.7048, 0.4796, 0.4574



33.7048, 0.3319, 0.5325



33.7048, 0.1556, 0.1812



33.7048, 0.2615, 0.1901

Sweetspot

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



33.7065, 0.4796, 0.4574



83.1218, 0.3640, 0.3847



13.1444, 0.5837, 0.2989



17.3399, 0.3721, 0.3927



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.



33.7065, 0.4796, 0.4574



55.4249, 0.4805, 0.4567



50.6526, 0.3812, 0.5355



12.5459, 0.3272, 0.3456



21.3734, 0.4785, 0.4582



1.2265, 0.4644, 0.4694

Inverse Universe

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



7.2901, 0.1595, 0.0940



11.7621, 0.1589, 0.0920



4.9009, 0.1608, 0.0660



11.3460, 0.2983, 0.3118



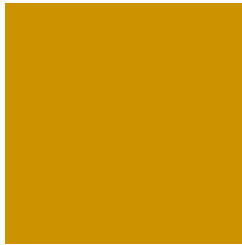
4.7240, 0.1601, 0.0964



0.3739, 0.1712, 0.1361

Previews

White Background



This preview shows how the Yxy color 33.7048, 0.4796, 0.4574 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 33.7048, 0.4796, 0.4574 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 33.7048, 0.4796, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 33.7048, 0.4796, 0.4574.



This preview shows how white text looks on a background with the Yxy color 33.7048, 0.4796, 0.4574.

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

33.7048, 0.4796, 0.4574

Protanopia

33.9452, 0.4386, 0.4857

Deuteranopia

33.6370, 0.4723, 0.4632



Tritanopia

33.8468, 0.3843, 0.3166

Trichromacy



Original Color

33.7048, 0.4796, 0.4574

Protanomaly

33.6935, 0.4531, 0.4757

Deuteranomaly

33.5973, 0.4755, 0.4607

Tritanomaly

33.2678, 0.4374, 0.3875

Monochromacy



Original Color

33.7048, 0.4796, 0.4574

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.0004, 0.3893, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7048, 0.4796, 0.4574 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, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.7048, 0.4796, 0.4574 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, 147, 0) }
```

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

```
.border{ border-color:rgb(204, 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(204, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 147,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7048, 0.4796, 0.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 147, 0) }
```

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

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