

Converting Colors

$Yxy(35.4368, 0.4728, 0.4628)$

Have a look what the booklet for
Yxy(35.4368, 0.4728, 0.4628)
contains.

Yxy(35.2938, 0.4733, 0.4624)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.2938, 0.4733, 0.4624)

Conversions

Conversions Part 1

Format	Color
Hex	CC9800
RGB	204, 152, 0
RGB Percent	80%, 60%, 0%
CMY	0.2001, 0.4039, 1.0000
CMYK	0.00, 0.25, 1.00, 0.20
HSL	45°, 100%, 40%
HSV	45°, 100%, 80%
XYZ	36.1258, 35.2938, 4.9079
YIQ	150.2200, 79.7840, -36.2480

Conversions

Conversions Part 2

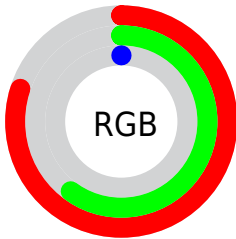
Format	Color
R _Y B	70, 204, 0
Decimal	13408256
CIE Lab	65.98, 8.84, 70.16
CIE LCh	66, 70.716, 82.822
Yxy	35.2938, 0.4733, 0.4624
Android (android.graphics.Color)	4291598336 (0xFFCC9800)
YUV	150.2200, -74.0585, 47.1651
Hunter-Lab	59.4086, 4.5790, 36.6880

Details

The Yxy color **35.2938, 0.4733, 0.4624** 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 **6.8114, 0.1580, 0.0888**, and the grayscale version is **30.8939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8970, 0.4414, 0.4506**, and **15.2367, 0.4825, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **35.2956, 0.4733, 0.4624**, and if you desaturate by 10%, it is **37.0717, 0.4636, 0.4630**.

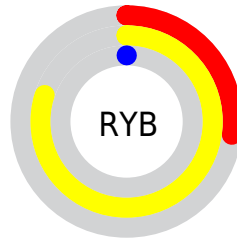
Distribution



Red (80%)

Green (60%)

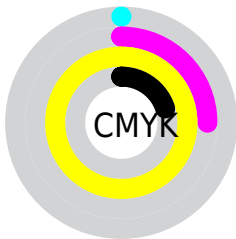
Blue (0%)



Red (27%)

Yellow (80%)

Blue (0%)

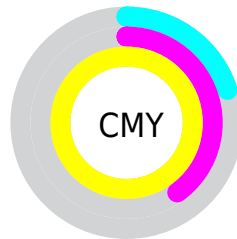


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (40%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2938, 0.4733, 0.4624 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 35.2938, 0.4733, 0.4624 by changing the saturation by 10% instead.


 35.2938, 0.4733,
0.4624


 35.2938, 0.4733,
0.4624


 325.8633, 0.3989,
0.4050

 23.8893, 0.4870,
0.4709


 67.9407, 0.4494,
0.4454

 15.2515, 0.5015,
0.4785


 89.9518, 0.4393,
0.4377

 8.9961, 0.5163,
0.4837


 116.2673, 0.4304,
0.4308

 4.7386, 0.5230,
0.4770

 147.2714, 0.4226,
0.4245

 2.0947, 0.5339,
0.4661

 183.3487, 0.4156,
0.4188


 0.6617, 0.5607,
0.4393


 224.8835, 0.4094,


 0.0000, 0.0000,


0.4137


0.0000


 272.2602, 0.4038,
0.4091


 35.2938, 0.4733,
0.4624


 35.2938, 0.4733,
0.4624


 35.2956, 0.4733,
0.4624

 37.0717, 0.4636,
0.4630

 38.9775, 0.4512,
0.4594

 41.0326, 0.4361,
0.4510

 43.2479, 0.4188,
0.4385

 45.6329, 0.4003,
0.4227

■ 48.1957, 0.3814,
0.4048

■ 50.9440, 0.3628,
0.3858

■ 53.8847, 0.3449,
0.3664

■ 57.0241, 0.3281,
0.3473

Harmonies

Analogous

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



35.2938, 0.5198, 0.3883



35.2938, 0.4733, 0.4624



35.2938, 0.3892, 0.5219

Triad

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



35.2938, 0.4733, 0.4624



35.2938, 0.1530, 0.2968



35.2938, 0.3032, 0.2046

Complementary

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



35.2938, 0.4733, 0.4624



6.8114, 0.1580, 0.0888

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.



35.2938, 0.2129, 0.1790



35.2938, 0.4733, 0.4624



35.2938, 0.1396, 0.2162

Square

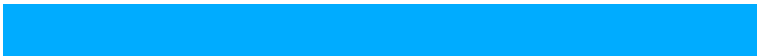
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.2938, 0.4733, 0.4624



35.2938, 0.2050, 0.4190



35.2938, 0.1593, 0.1809



35.2938, 0.4151, 0.2536

Rectangle

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



35.2938, 0.4733, 0.4624



35.2938, 0.3245, 0.5293



35.2938, 0.1593, 0.1809



35.2938, 0.2693, 0.1932

Sweetspot

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



35.2956, 0.4733, 0.4624



84.2045, 0.3635, 0.3865



13.1044, 0.5893, 0.3020



17.5999, 0.3714, 0.3947



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.



35.2956, 0.4733, 0.4624



58.1035, 0.4741, 0.4617



50.2818, 0.3783, 0.5378



12.5939, 0.3272, 0.3462



22.3765, 0.4724, 0.4631



1.2715, 0.4598, 0.4731

Inverse Universe

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



6.8114, 0.1580, 0.0888



10.9962, 0.1575, 0.0868



4.9772, 0.1623, 0.0668



11.3008, 0.2983, 0.3112



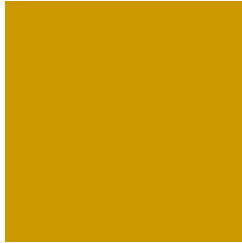
4.4159, 0.1586, 0.0910



0.3531, 0.1695, 0.1302

Previews

White Background



This preview shows how the Yxy color 35.2938, 0.4733, 0.4624 looks on a white background.

Color Contrast Check

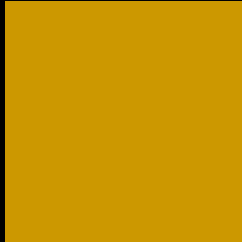
Large Text (above 18pt) WCAG AA × Fail

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 35.2938, 0.4733, 0.4624 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 35.2938, 0.4733, 0.4624

Background



This preview shows how black text looks on a background with the Yxy color 35.2938, 0.4733, 0.4624.



This preview shows how white text looks on a background with the Yxy color 35.2938, 0.4733, 0.4624.

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

35.2938, 0.4733, 0.4624

Protanopia

35.3377, 0.4385, 0.4864

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

35.1656, 0.3772, 0.3154

Trichromacy



Original Color

35.2938, 0.4733, 0.4624

Protanomaly

35.2879, 0.4506, 0.4782

Deuteranomaly

35.1530, 0.4724, 0.4631

Tritanomaly

34.5238, 0.4314, 0.3889

Monochromacy



Original Color

35.2938, 0.4733, 0.4624

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.5055, 0.3881, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2938, 0.4733, 0.4624 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, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 152, 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, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 152, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.2938, 0.4733, 0.4624 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, 152, 0) }
```

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

```
.border{ border-color:rgb(204, 152, 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, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 152,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2938, 0.4733, 0.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 152, 0) }
```

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

```
.background{ background-color: rgb(204,  
152, 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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