

Converting Colors

$Y_{xy}(33.7232, 0.4605, 0.4704)$

Have a look what the booklet for
Yxy(33.7232, 0.4605, 0.4704)
contains.

Yxy(33.6761, 0.4608, 0.4703)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6761, 0.4608, 0.4703)

Conversions

Conversions Part 1

Format	Color
Hex	C09806
RGB	192, 152, 6
RGB Percent	75%, 60%, 2%
CMY	0.2471, 0.4039, 0.9764
CMYK	0.00, 0.21, 0.97, 0.25
HSL	47°, 94%, 39%
HSV	47°, 97%, 75%
XYZ	32.9958, 33.6761, 4.9336
YIQ	147.3160, 70.7060, -36.9260

Conversions

Conversions Part 2

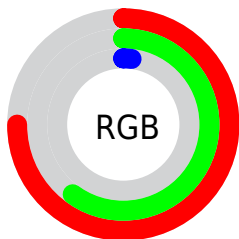
Format	Color
RYB	57, 192, 6
Decimal	12621830
CIELab	64.70, 3.54, 67.84
CIELCh	65, 67.937, 87.011
Yxy	33.6761, 0.4608, 0.4703
Android (android.graphics.Color)	4290811910 (0xFFC09806)
YUV	147.3160, -69.6688, 39.1879
Hunter-Lab	58.0311, -0.0613, 35.5811

Details

The Yxy color **33.6761, 0.4608, 0.4703** 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 **5.7970, 0.1582, 0.0868**, and the grayscale version is **29.5893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5471, 0.4389, 0.4503**, and **14.4893, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **33.2466, 0.4633, 0.4703**, and if you desaturate by 10%, it is **35.0987, 0.4519, 0.4689**.

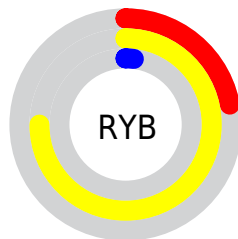
Distribution



Red (75%)

Green (60%)

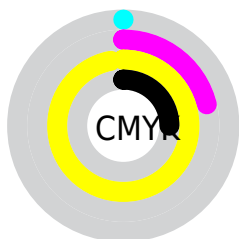
Blue (2%)



Red (22%)

Yellow (75%)

Blue (2%)

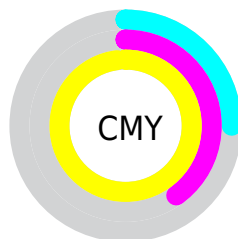


Cyan (0%)

Magenta (21%)

Yellow (97%)

Black (25%)



Cyan (25%)


Magenta (40%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6761, 0.4608, 0.4703 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 33.6761, 0.4608, 0.4703 by changing the saturation by 10% instead.


 33.6761, 0.4608,
0.4703


 33.6761, 0.4608,
0.4703


318.6854, 0.3919,
0.4064

 22.6449, 0.4733,
0.4810


 65.4297, 0.4387,
0.4504

 14.3315, 0.4864,
0.4915


 86.9208, 0.4294,
0.4418


 8.3516, 0.4994,
0.5006


 112.6674, 0.4211,
0.4341

 4.3207, 0.5023,
0.4977

 143.0537, 0.4138,
0.4273

 1.8546, 0.5071,
0.4929

 178.4643, 0.4074,
0.4212

 0.5208, 0.5275,
0.4725

 219.2835, 0.4016,

 0.0000, 0.0000,

0.4157

0.0000

265.8958, 0.3965,
0.4108

33.6761, 0.4608,
0.4703

33.6761, 0.4608,
0.4703

33.2466, 0.4633,
0.4703

35.0987, 0.4519,
0.4689

36.6226, 0.4401,
0.4630

38.2610, 0.4258,
0.4526

40.0224, 0.4094,
0.4383

41.9142, 0.3919,
0.4211

■ 43.9431, 0.3740,
0.4020

■ 46.1150, 0.3562,
0.3820

■ 48.4355, 0.3391,
0.3618

■ 50.9098, 0.3231,
0.3421

Harmonies

Analogous

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



33.6761, 0.5125, 0.3982



33.6761, 0.4608, 0.4703



33.6761, 0.3755, 0.5220

Triad

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



33.6761, 0.4608, 0.4703



33.6761, 0.1521, 0.2840



33.6761, 0.3183, 0.2125

Complementary

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



33.6761, 0.4608, 0.4703



5.7970, 0.1582, 0.0868

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.



33.6761, 0.2253, 0.1837



33.6761, 0.4608, 0.4703



33.6761, 0.1435, 0.2115

Square

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



33.6761, 0.4608, 0.4703



33.6761, 0.1980, 0.3994



33.6761, 0.1674, 0.1816



33.6761, 0.4273, 0.2634

Rectangle

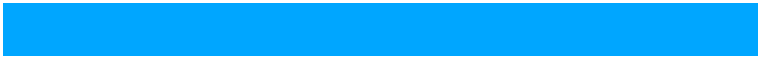
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6761, 0.4608, 0.4703



33.6761, 0.3115, 0.5204



33.6761, 0.1674, 0.1816



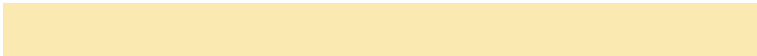
33.6761, 0.2839, 0.2001

Sweetspot

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



33.6778, 0.4608, 0.4703



82.5273, 0.3608, 0.3873



11.5344, 0.5946, 0.3076



17.3410, 0.3684, 0.3959



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6778, 0.4608, 0.4703



59.8709, 0.4642, 0.4697



43.2181, 0.3708, 0.5419



11.3790, 0.3270, 0.3470



22.4936, 0.4627, 0.4708



1.0657, 0.4512, 0.4799

Inverse Universe

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



5.7970, 0.1582, 0.0868



9.5073, 0.1555, 0.0797



4.8566, 0.1711, 0.0731



10.0911, 0.2983, 0.3104



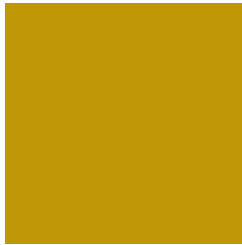
3.7354, 0.1566, 0.0837



0.2653, 0.1684, 0.1262

Previews

White Background



This preview shows how the Yxy color 33.6761, 0.4608, 0.4703 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 33.6761, 0.4608, 0.4703 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 33.6761, 0.4608, 0.4703

Background



This preview shows how black text looks on a background with the Yxy color 33.6761, 0.4608, 0.4703.



This preview shows how white text looks on a background with the Yxy color 33.6761, 0.4608, 0.4703.

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

33.6761, 0.4608, 0.4703

Protanopia

33.8250, 0.4378, 0.4868

Deuteranopia

33.6661, 0.4702, 0.4605



Tritanopia

33.5961, 0.3655, 0.3147

Trichromacy



Original Color

33.6761, 0.4608, 0.4703

Protanomaly

33.7417, 0.4455, 0.4814

Deuteranomaly

33.5704, 0.4666, 0.4644

Tritanomaly

33.0220, 0.4178, 0.3897

Monochromacy



Original Color

33.6761, 0.4608, 0.4703

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1260, 0.3805, 0.4099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6761, 0.4608, 0.4703 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(192, 152, 6)` looks like.

```
.text, #text, p{  
    color:rgb(192, 152, 6)  
}
```

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(192, 152, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 152, 6) }
```

Border

The CSS property to change the border of an element to Yxy 33.6761, 0.4608, 0.4703 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(192, 152, 6) }
```

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

```
.border{ border-color:rgb(192, 152, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 152, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 152, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 152, 6);  
box-shadow:4px 4px 4px 4px rgb(192, 152,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6761, 0.4608, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 152, 6) }
```

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

```
.background{ background-color: rgb(192,  
152, 6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor