

Converting Colors

$Y_{xy}(33.5505, 0.4612, 0.4698)$

Have a look what the booklet for
Yxy(33.5505, 0.4612, 0.4698)
contains.

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Color

Yxy(33.6783, 0.4607, 0.4701)

Conversions

Conversions Part 1

Format	Color
Hex	C09807
RGB	192, 152, 7
RGB Percent	75%, 60%, 3%
CMY	0.2470, 0.4039, 0.9731
CMYK	0.00, 0.21, 0.96, 0.25
HSL	47°, 93%, 39%
HSV	47°, 96%, 75%
XYZ	33.0049, 33.6783, 4.9575
YIQ	147.4300, 70.3850, -36.6150

Conversions

Conversions Part 2

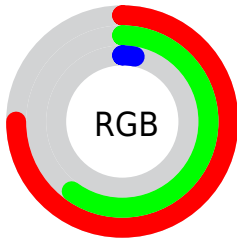
Format	Color
RYB	58, 192, 7
Decimal	12621831
CIELab	64.71, 3.57, 67.73
CIELCh	65, 67.826, 86.986
Yxy	33.6783, 0.4607, 0.4701
Android (android.graphics.Color)	4290811911 (0xFFC09807)
YUV	147.4300, -69.2320, 39.0879
Hunter-Lab	58.0330, -0.0402, 35.5582

Details

The Yxy color **33.6783, 0.4607, 0.4701** 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 **5.8716, 0.1585, 0.0877**, and the grayscale version is **29.6305, 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 **33.1871, 0.4636, 0.4701**, and if you desaturate by 10%, it is **35.1100, 0.4517, 0.4686**.

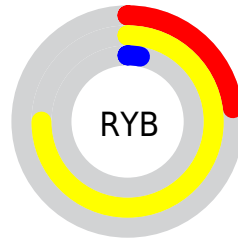
Distribution



Red (75%)

Green (60%)

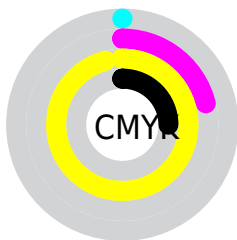
Blue (3%)



Red (23%)

Yellow (75%)

Blue (3%)

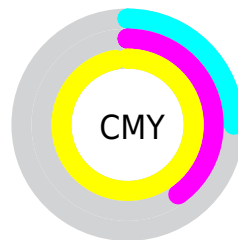


Cyan (0%)

Magenta (21%)

Yellow (96%)

Black (25%)



Cyan (25%)


Magenta (40%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6783, 0.4607, 0.4701 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 33.6783, 0.4607, 0.4701 by changing the saturation by 10% instead.

 33.6783, 0.4607,
0.4701


 33.6783, 0.4607,
0.4701


318.6952, 0.3918,
0.4063

 22.6466, 0.4732,
0.4808


 65.4331, 0.4386,
0.4502


 14.3328, 0.4863,
0.4913


 86.9249, 0.4292,
0.4416


 8.3525, 0.4994,
0.5006


 112.6723, 0.4210,
0.4340

 4.3213, 0.5024,
0.4976

 143.0595, 0.4137,
0.4271

 1.8549, 0.5072,
0.4928

 178.4710, 0.4073,
0.4210

 0.5210, 0.5278,
0.4722

 219.2912, 0.4015,

 0.0000, 0.0000,

0.4156

0.0000

265.9045, 0.3964,
0.4107

33.6783, 0.4607,
0.4701

33.6783, 0.4607,
0.4701

33.1871, 0.4636,
0.4701

35.1100, 0.4517,
0.4686

36.6444, 0.4397,
0.4625

38.2941, 0.4252,
0.4519

40.0677, 0.4088,
0.4375

41.9726, 0.3912,
0.4202

■ 44.0154, 0.3732,
0.4011

■ 46.2020, 0.3555,
0.3811

■ 48.5379, 0.3384,
0.3609

■ 51.0285, 0.3224,
0.3412

Harmonies

Analogous

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



33.6783, 0.5123, 0.3981



33.6783, 0.4607, 0.4701



33.6783, 0.3755, 0.5217

Triad

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



33.6783, 0.4607, 0.4701



33.6783, 0.1524, 0.2842



33.6783, 0.3182, 0.2126

Complementary

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



33.6783, 0.4607, 0.4701



5.8716, 0.1585, 0.0877

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.



33.6783, 0.2254, 0.1839



33.6783, 0.4607, 0.4701



33.6783, 0.1437, 0.2117

Square

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



33.6783, 0.4607, 0.4701



33.6783, 0.1983, 0.3994



33.6783, 0.1676, 0.1818



33.6783, 0.4270, 0.2635

Rectangle

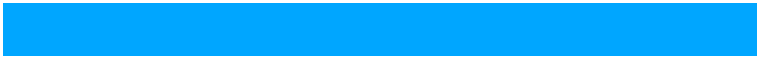
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6783, 0.4607, 0.4701



33.6783, 0.3116, 0.5200



33.6783, 0.1676, 0.1818



33.6783, 0.2839, 0.2002

Sweetspot

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



33.6800, 0.4607, 0.4701



82.4814, 0.3608, 0.3872



11.5607, 0.5933, 0.3072



17.3299, 0.3684, 0.3958



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.



33.6800, 0.4607, 0.4701



59.7459, 0.4644, 0.4694



43.2517, 0.3710, 0.5416



11.3771, 0.3270, 0.3469



22.4481, 0.4629, 0.4706



1.0641, 0.4514, 0.4798

Inverse Universe

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



5.8716, 0.1585, 0.0877



9.5330, 0.1555, 0.0799



4.8942, 0.1716, 0.0736



10.0929, 0.2983, 0.3104



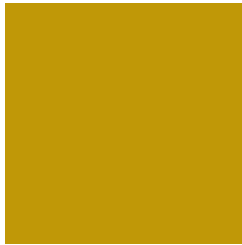
3.7457, 0.1566, 0.0839



0.2661, 0.1685, 0.1265

Previews

White Background



This preview shows how the Yxy color 33.6783, 0.4607, 0.4701 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 33.6783, 0.4607, 0.4701 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 33.6783, 0.4607, 0.4701

Background



This preview shows how black text looks on a background with the Yxy color 33.6783, 0.4607, 0.4701.



This preview shows how white text looks on a background with the Yxy color 33.6783, 0.4607, 0.4701.

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

33.6783, 0.4607, 0.4701

Protanopia

33.8250, 0.4378, 0.4868

Deuteranopia

33.6661, 0.4702, 0.4605



Tritanopia

33.5961, 0.3655, 0.3147

Trichromacy



Original Color

33.6783, 0.4607, 0.4701

Protanomaly

33.7417, 0.4455, 0.4814

Deuteranomaly

33.5726, 0.4664, 0.4642

Tritanomaly

33.0220, 0.4178, 0.3897

Monochromacy



Original Color

33.6783, 0.4607, 0.4701

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 33.6783, 0.4607, 0.4701 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(192, 152, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 152, 7) }
```

Border

The CSS property to change the border of an element to Yxy 33.6783, 0.4607, 0.4701 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, 7) }
```

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

```
.border{ border-color:rgb(192, 152, 7) }
```

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, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 152, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 152, 7);  
box-shadow:4px 4px 4px 4px rgb(192, 152,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6783, 0.4607, 0.4701 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, 7) }
```

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

```
.background{ background-color: rgb(192,  
152, 7) }
```

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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