

Converting Colors

Yxy(33.8374, 0.4811, 0.4898)

Have a look what the booklet for
Yxy(33.8374, 0.4811, 0.4898)
contains.

Yxy(34.0586, 0.4647, 0.4692)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0586, 0.4647, 0.4692)

Conversions

Conversions Part 1

Format	Color
Hex	C39800
RGB	195, 152, 0
RGB Percent	76%, 60%, 0%
CMY	0.2353, 0.4039, 0.9997
CMYK	0.00, 0.22, 1.00, 0.24
HSL	47°, 100%, 38%
HSV	47°, 100%, 76%
XYZ	33.7320, 34.0586, 4.7981
YIQ	147.5290, 74.4200, -38.1560

Conversions

Conversions Part 2

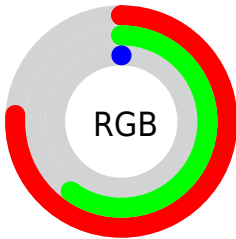
Format	Color
RYB	55, 195, 0
Decimal	12818432
CIELab	65.01, 4.82, 69.03
CIELCh	65, 69.197, 86.002
Yxy	34.0586, 0.4647, 0.4692
Android (android.graphics.Color)	4291008512 (0xFFC39800)
YUV	147.5290, -72.7318, 41.6321
Hunter-Lab	58.3597, 1.0435, 35.9772

Details

The Yxy color **34.0586, 0.4647, 0.4692** 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 **5.6722, 0.1563, 0.0828**, and the grayscale version is **29.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8970, 0.4414, 0.4506**, and **14.7370, 0.4702, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **34.0542, 0.4647, 0.4692**, and if you desaturate by 10%, it is **35.5304, 0.4562, 0.4689**.

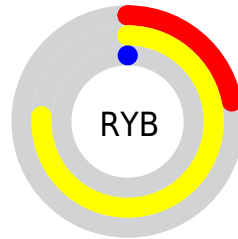
Distribution



Red (76%)

Green (60%)

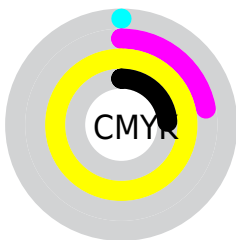
Blue (0%)



Red (22%)

Yellow (76%)

Blue (0%)

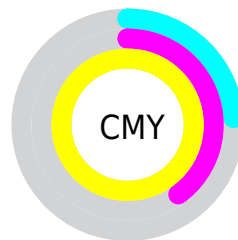


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0586, 0.4647, 0.4692 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 34.0586, 0.4647, 0.4692 by changing the saturation by 10% instead.


 34.0586, 0.4647,
0.4692


 34.0586, 0.4647,
0.4692


 320.3933, 0.3943,
0.4068


 22.9386, 0.4774,
0.4793


 66.0248, 0.4421,
0.4501


 14.5482, 0.4908,
0.4890


 87.6398, 0.4326,
0.4417


 8.5029, 0.5036,
0.4964


 113.5219, 0.4242,
0.4342


 4.4184, 0.5075,
0.4925

 144.0556, 0.4168,
0.4274

 1.9103, 0.5139,
0.4861

 179.6251, 0.4101,
0.4214

 0.5545, 0.5376,
0.4624

 220.6150, 0.4042,

 0.0000, 0.0000,

0.4160

0.0000

267.4096, 0.3990,
0.4111

34.0586, 0.4647,
0.4692

34.0586, 0.4647,
0.4692

34.0542, 0.4647,
0.4692

35.5304, 0.4562,
0.4689

37.1007, 0.4451,
0.4646

38.7892, 0.4313,
0.4556

40.6051, 0.4153,
0.4425

42.5565, 0.3979,
0.4262

■ 44.6507, 0.3798,
0.4077

■ 46.8941, 0.3618,
0.3879

■ 49.2925, 0.3444,
0.3678

■ 51.8516, 0.3279,
0.3480

Harmonies

Analogous

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



34.0586, 0.5158, 0.3960



34.0586, 0.4647, 0.4692



34.0586, 0.3790, 0.5237

Triad

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



34.0586, 0.4647, 0.4692



34.0586, 0.1511, 0.2864



34.0586, 0.3146, 0.2097

Complementary

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



34.0586, 0.4647, 0.4692



5.6722, 0.1563, 0.0828

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.



34.0586, 0.2216, 0.1816



34.0586, 0.4647, 0.4692



34.0586, 0.1414, 0.2116

Square

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



34.0586, 0.4647, 0.4692



34.0586, 0.1987, 0.4047



34.0586, 0.1644, 0.1804



34.0586, 0.4254, 0.2605

Rectangle

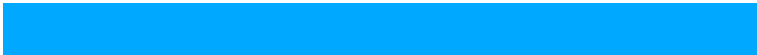
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.0586, 0.4647, 0.4692



34.0586, 0.3143, 0.5246



34.0586, 0.1644, 0.1804



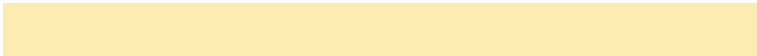
34.0586, 0.2801, 0.1976

Sweetspot

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



34.0603, 0.4647, 0.4692



83.7896, 0.3627, 0.3889



11.7960, 0.5988, 0.3073



17.9647, 0.3704, 0.3975



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.



34.0603, 0.4647, 0.4692



60.6138, 0.4655, 0.4686



44.8655, 0.3727, 0.5422



11.3693, 0.3270, 0.3468



22.2652, 0.4640, 0.4698



1.0575, 0.4522, 0.4792

Inverse Universe

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



5.6722, 0.1563, 0.0828



9.8530, 0.1557, 0.0806



4.6730, 0.1660, 0.0688



10.1002, 0.2983, 0.3105



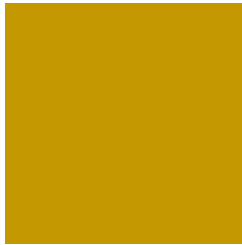
3.7881, 0.1569, 0.0847



0.2693, 0.1688, 0.1277

Previews

White Background



This preview shows how the Yxy color 34.0586, 0.4647, 0.4692 looks on a white background.

Color Contrast Check

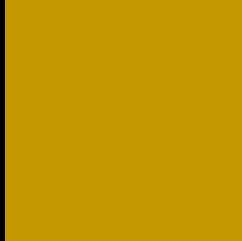
Large Text (above 18pt) WCAG AA × Fail

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 34.0586, 0.4647, 0.4692 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 34.0586, 0.4647, 0.4692

Background



This preview shows how black text looks on a background with the Yxy color 34.0586, 0.4647, 0.4692.



This preview shows how white text looks on a background with the Yxy color 34.0586, 0.4647, 0.4692.

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

34.0586, 0.4647, 0.4692

Protanopia

34.2832, 0.4378, 0.4871

Deuteranopia

34.1140, 0.4704, 0.4614



Tritanopia

34.0133, 0.3687, 0.3149

Trichromacy



Original Color

34.0586, 0.4647, 0.4692

Protanomaly

33.9804, 0.4480, 0.4804

Deuteranomaly

34.1521, 0.4679, 0.4647

Tritanomaly

33.3932, 0.4230, 0.3913

Monochromacy



Original Color

34.0586, 0.4647, 0.4692

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3024, 0.3846, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0586, 0.4647, 0.4692 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(195, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 152, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.0586, 0.4647, 0.4692 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(195, 152, 0) }
```

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

```
.border{ border-color:rgb(195, 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(195, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 152,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0586, 0.4647, 0.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 152, 0) }
```

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

```
.background{ background-color: rgb(195,  
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](#).

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