

Converting Colors

Yxy(33.9511, 0.4442, 0.4927)

Have a look what the booklet for
Yxy(33.9511, 0.4442, 0.4927)
contains.

Yxy(34.0374, 0.4415, 0.4876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0374, 0.4415, 0.4876)

Conversions

Conversions Part 1

Format	Color
Hex	B39E00
RGB	179, 158, 0
RGB Percent	70%, 62%, 0%
CMY	0.2980, 0.3804, 0.9994
CMYK	0.00, 0.12, 1.00, 0.30
HSL	53°, 100%, 35%
HSV	53°, 100%, 70%
XYZ	30.8193, 34.0374, 4.9492
YIQ	146.2670, 63.2340, -44.6860

Conversions

Conversions Part 2

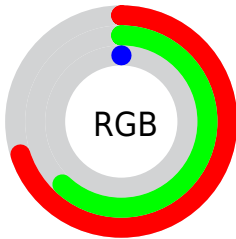
Format	Color
R_YB	24, 179, 0
Decimal	11771392
CIE Lab	64.99, -5.60, 68.27
CIE LCh	65, 68.494, 94.690
Yxy	34.0374, 0.4415, 0.4876
Android (android.graphics.Color)	4289961472 (0xFFB39E00)
YUV	146.2670, -72.1096, 28.7068
Hunter-Lab	58.3416, -7.8039, 35.8094

Details

The Yxy color **34.0374, 0.4415, 0.4876** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.7978, 0.1525, 0.0689**, and the grayscale version is **29.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9457, 0.4238, 0.4626**, and **14.6530, 0.4418, 0.4874** is the 20% darker color. If you saturate the color by 10%, you get **34.0330, 0.4415, 0.4876**, and if you desaturate by 10%, it is **34.8060, 0.4362, 0.4852**.

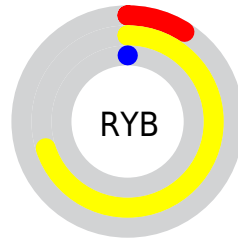
Distribution



Red (70%)

Green (62%)

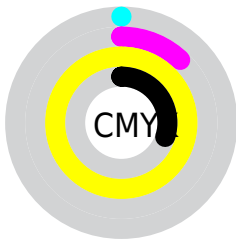
Blue (0%)



Red (9%)

Yellow (70%)

Blue (0%)

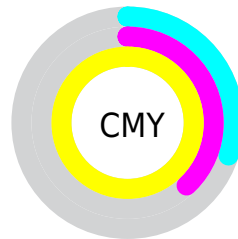


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0374, 0.4415, 0.4876 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 34.0374, 0.4415, 0.4876 by changing the saturation by 10% instead.


 34.0374, 0.4415,
0.4876


 34.0374, 0.4415,
0.4876


 320.2988, 0.3834,
0.4127

 22.9223, 0.4511,
0.5016


 65.9918, 0.4235,
0.4632


 14.5362, 0.4603,
0.5166


 87.6000, 0.4157,
0.4530

 8.4945, 0.4680,
0.5320

 113.4746, 0.4087,
0.4441

 4.4130, 0.4632,
0.5368

 144.0001, 0.4024,
0.4362

 1.9072, 0.4553,
0.5447

 179.5609, 0.3968,
0.4293

 0.5527, 0.4128,
0.5872

 220.5413, 0.3919,

 0.0000, 0.0000,


0.4231

0.0000


 267.3258, 0.3874,
0.4176


 34.0374, 0.4415,
0.4876

 34.0374, 0.4415,
0.4876


 34.0330, 0.4415,
0.4876

 34.8060, 0.4362,
0.4852

 35.6249, 0.4286,
0.4791

 36.5109, 0.4183,
0.4687

 37.4712, 0.4057,
0.4542

 38.5119, 0.3912,
0.4364

■ 39.6385, 0.3756,
0.4162

■ 40.8559, 0.3594,
0.3946

■ 42.1685, 0.3432,
0.3723

■ 43.5805, 0.3275,
0.3502

Harmonies

Analogous

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



34.0374, 0.5047, 0.4170



34.0374, 0.4415, 0.4876



34.0374, 0.3511, 0.5270

Triad

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



34.0374, 0.4415, 0.4876



34.0374, 0.1460, 0.2604



34.0374, 0.3464, 0.2233

Complementary

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



34.0374, 0.4415, 0.4876



3.7978, 0.1525, 0.0689

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.



34.0374, 0.2457, 0.1882



34.0374, 0.4415, 0.4876



34.0374, 0.1460, 0.1998

Square

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



34.0374, 0.4415, 0.4876



34.0374, 0.1819, 0.3676



34.0374, 0.1783, 0.1789



34.0374, 0.4528, 0.2788

Rectangle

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



34.0374, 0.4415, 0.4876



34.0374, 0.2868, 0.5093



34.0374, 0.1783, 0.1789



34.0374, 0.3101, 0.2089

Sweetspot

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



34.0390, 0.4415, 0.4876



73.0318, 0.3603, 0.3959



9.6537, 0.6222, 0.3202



15.9753, 0.3671, 0.4050



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.0390, 0.4415, 0.4876



60.7294, 0.4419, 0.4873



35.7827, 0.3566, 0.5550



9.7329, 0.3266, 0.3489



24.1088, 0.4412, 0.4879



0.8064, 0.4343, 0.4933

Inverse Universe

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



3.7978, 0.1525, 0.0689



6.6246, 0.1520, 0.0673



4.4069, 0.1796, 0.0763



8.3856, 0.2985, 0.3083



2.7315, 0.1528, 0.0700



0.1374, 0.1624, 0.1045

Previews

White Background



This preview shows how the Yxy color 34.0374, 0.4415, 0.4876 looks on a white background.

Color Contrast Check

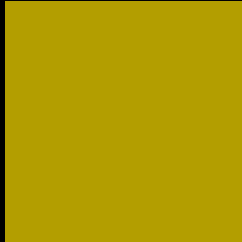
Large Text (above 18pt) WCAG AA × Fail

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 34.0374, 0.4415, 0.4876 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 34.0374, 0.4415, 0.4876

Background



This preview shows how black text looks on a background with the Yxy color 34.0374, 0.4415, 0.4876.

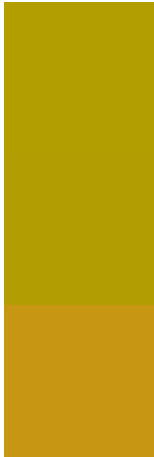


This preview shows how white text looks on a background with the Yxy color 34.0374, 0.4415, 0.4876.

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

34.0374, 0.4415, 0.4876

Protanopia

33.9231, 0.4402, 0.4880

Deuteranopia

34.0018, 0.4677, 0.4599



Tritanopia

34.0274, 0.3448, 0.3141

Trichromacy



Original Color

34.0374, 0.4415, 0.4876

Protanomaly

33.9209, 0.4403, 0.4882

Deuteranomaly

34.0155, 0.4587, 0.4700

Tritanomaly

33.3871, 0.3988, 0.3984

Monochromacy



Original Color

34.0374, 0.4415, 0.4876

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.8721, 0.3771, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0374, 0.4415, 0.4876 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(179, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 158, 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(179, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.0374, 0.4415, 0.4876 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(179, 158, 0) }
```

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

```
.border{ border-color:rgb(179, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0374, 0.4415, 0.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 158, 0) }
```

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

```
.background{ background-color: rgb(179,  
158, 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