

Converting Colors

$Y_{xy}(34.4738, 0.4918, 0.4477)$

Have a look what the booklet for
Yxy(34.4738, 0.4918, 0.4477)
contains.

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Color

Yxy(34.5469, 0.4912, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	D69100
RGB	214, 145, 0
RGB Percent	84%, 57%, 0%
CMY	0.1607, 0.4314, 1.0000
CMYK	0.00, 0.32, 1.00, 0.16
HSL	41°, 100%, 42%
HSV	41°, 100%, 84%
XYZ	37.8613, 34.5469, 4.6710
YIQ	149.1010, 87.6690, -30.4670

Conversions

Conversions Part 2

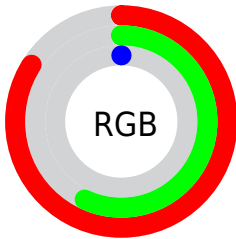
Format	Color
RYB	102, 214, 0
Decimal	14061824
CIELab	65.39, 17.06, 70.32
CIElCh	65, 72.361, 76.367
Yxy	34.5469, 0.4912, 0.4482
Android (android.graphics.Color)	4292251904 (0xFFD69100)
YUV	149.1010, -73.5068, 56.9164
Hunter-Lab	58.7766, 12.1228, 36.4318

Details

The Yxy color **34.5469, 0.4912, 0.4482** 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 **9.1154, 0.1621, 0.1036**, and the grayscale version is **30.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6013, 0.4469, 0.4448**, and **14.9567, 0.5043, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **34.5488, 0.4912, 0.4482**, and if you desaturate by 10%, it is **36.7784, 0.4788, 0.4505**.

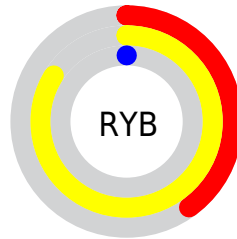
Distribution



Red (84%)

Green (57%)

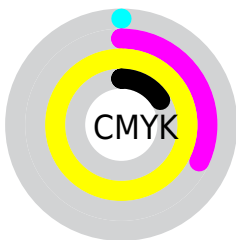
Blue (0%)



Red (40%)

Yellow (84%)

Blue (0%)

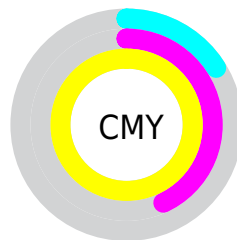


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5469, 0.4912, 0.4482 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 34.5469, 0.4912, 0.4482 by changing the saturation by 10% instead.

 34.5469, 0.4912,
0.4482


 34.5469, 0.4912,
0.4482


322.5638, 0.4072,
0.4001


 23.3141, 0.5072,
0.4539

 66.7832, 0.4638,
0.4350


 14.8256, 0.5249,
0.4579


 88.5555, 0.4524,
0.4287


 8.6971, 0.5428,
0.4572

 114.6098, 0.4424,
0.4228

 4.5441, 0.5555,
0.4445

 145.3303, 0.4336,
0.4174

 1.9824, 0.5757,
0.4243

 181.1016, 0.4258,
0.4124

 0.5972, 0.6242,
0.3758


 222.3080, 0.4189,


 0.0000, 0.0000,


0.4079

0.0000

 269.3340, 0.4127,
0.4038

 34.5469, 0.4912,
0.4482


 34.5469, 0.4912,
0.4482


 34.5488, 0.4912,
0.4482

 36.7784, 0.4788,
0.4505

 39.2000, 0.4636,
0.4484

 41.8364, 0.4456,
0.4412

 44.7010, 0.4257,
0.4299

 47.8053, 0.4050,
0.4153

■ 51.1597, 0.3843,
0.3987

■ 54.7738, 0.3643,
0.3811

■ 58.6563, 0.3456,
0.3632

■ 62.8154, 0.3284,
0.3457

Harmonies

Analogous

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



34.5469, 0.5277, 0.3725



34.5469, 0.4912, 0.4482



34.5469, 0.4105, 0.5169

Triad

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



34.5469, 0.4912, 0.4482



34.5469, 0.1569, 0.3199



34.5469, 0.2798, 0.1939

Complementary

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



34.5469, 0.4912, 0.4482



9.1154, 0.1621, 0.1036

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.



34.5469, 0.1954, 0.1735



34.5469, 0.4912, 0.4482



34.5469, 0.1357, 0.2263

Square

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



34.5469, 0.4912, 0.4482



34.5469, 0.2185, 0.4496



34.5469, 0.1488, 0.1818



34.5469, 0.3933, 0.2392

Rectangle

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



34.5469, 0.4912, 0.4482



34.5469, 0.3454, 0.5375



34.5469, 0.1488, 0.1818



34.5469, 0.2474, 0.1842

Sweetspot

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



34.5488, 0.4912, 0.4482



81.2706, 0.3649, 0.3816



14.7586, 0.5665, 0.2894



16.8963, 0.3733, 0.3892



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.



34.5488, 0.4912, 0.4482



51.0547, 0.4921, 0.4475



57.6101, 0.3899, 0.5286



13.8132, 0.3274, 0.3447



21.0739, 0.4899, 0.4493



1.4181, 0.4747, 0.4613

Inverse Universe

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



9.1154, 0.1621, 0.1036



13.2910, 0.1617, 0.1019



5.2253, 0.1567, 0.0637



12.6561, 0.2982, 0.3128



5.6766, 0.1628, 0.1062



0.4906, 0.1726, 0.1413

Previews

White Background



This preview shows how the Yxy color 34.5469, 0.4912, 0.4482 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 34.5469, 0.4912, 0.4482 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 34.5469, 0.4912, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 34.5469, 0.4912, 0.4482.



This preview shows how white text looks on a background with the Yxy color 34.5469, 0.4912, 0.4482.

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

34.5469, 0.4912, 0.4482

Protanopia

34.8766, 0.4381, 0.4855

Deuteranopia

34.5507, 0.4717, 0.4636



Tritanopia

34.5879, 0.3969, 0.3171

Trichromacy



Original Color

34.5469, 0.4912, 0.4482

Protanomaly

34.6689, 0.4568, 0.4726

Deuteranomaly

34.6167, 0.4789, 0.4579

Tritanomaly

34.1434, 0.4512, 0.3844

Monochromacy



Original Color

34.5469, 0.4912, 0.4482

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.8903, 0.3933, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5469, 0.4912, 0.4482 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(214, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 145, 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(214, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.5469, 0.4912, 0.4482 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(214, 145, 0) }
```

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

```
.border{ border-color:rgb(214, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 145,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5469, 0.4912, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 145, 0) }
```

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

```
.background{ background-color: rgb(214,  
145, 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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