

Converting Colors

$Yxy(41.3095, 0.4882, 0.4506)$

Have a look what the booklet for
Yxy(41.3095, 0.4882, 0.4506)
contains.

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Color

Yxy(41.1117, 0.4882, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	E59E00
RGB	229, 158, 0
RGB Percent	90%, 62%, 0%
CMY	0.1019, 0.3804, 1.0000
CMYK	0.00, 0.31, 1.00, 0.10
HSL	41°, 100%, 45%
HSV	41°, 100%, 90%
XYZ	44.5422, 41.1117, 5.5837
YIQ	161.2170, 93.0340, -34.0860

Conversions

Conversions Part 2

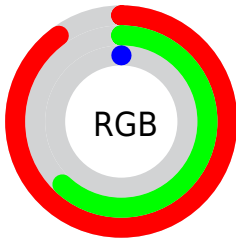
Format	Color
RYB	103, 229, 0
Decimal	15048192
CIELab	70.25, 16.59, 74.41
CIELCh	70, 76.235, 77.433
Yxy	41.1117, 0.4882, 0.4506
Android (android.graphics.Color)	4293238272 (0xFFE59E00)
YUV	161.2170, -79.4800, 59.4457
Hunter-Lab	64.1184, 11.7945, 39.7196

Details

The Yxy color **41.1117, 0.4882, 0.4506** 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 **10.1655, 0.1611, 0.0999**, and the grayscale version is **36.0934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8828, 0.4355, 0.4537**, and **18.8402, 0.5007, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **41.1141, 0.4882, 0.4506**, and if you desaturate by 10%, it is **43.6686, 0.4765, 0.4529**.

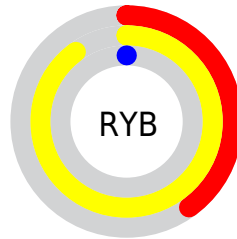
Distribution



Red (90%)

Green (62%)

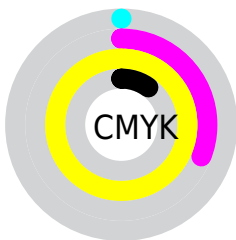
Blue (0%)



Red (40%)

Yellow (90%)

Blue (0%)

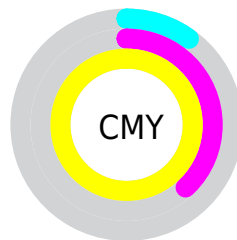


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1117, 0.4882, 0.4506 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 41.1117, 0.4882, 0.4506 by changing the saturation by 10% instead.


 41.1117, 0.4882,
0.4506


 41.1117, 0.4882,
0.4506


350.7872, 0.4084,
0.4027

 28.4064, 0.5029,
0.4565


 76.8534, 0.4627,
0.4375


 18.6322, 0.5184,
0.4604


 100.6586, 0.4520,
0.4313

 11.4048, 0.5369,
0.4631


 128.9326, 0.4425,
0.4254

 6.3398, 0.5471,
0.4529

 162.0596, 0.4340,
0.4201

 3.0528, 0.5626,
0.4374

 200.4243, 0.4265,
0.4151

 1.1594, 0.5889,
0.4111


 244.4108, 0.4198,


 0.0281, 0.9388,


0.4106


0.0612


 294.4037, 0.4138,
0.4065


 0.0000, 0.0000,
0.0000


 41.1117, 0.4882,
0.4506

 41.1117, 0.4882,
0.4506

 41.1141, 0.4882,
0.4506

 43.6686, 0.4765,
0.4529

 46.4381, 0.4619,
0.4506

 49.4482, 0.4444,
0.4434

 52.7146, 0.4250,
0.4319

 56.2506, 0.4046,
0.4171

■ 60.0682, 0.3841,
0.4002

■ 64.1784, 0.3643,
0.3822

■ 68.5914, 0.3457,
0.3640

■ 73.3165, 0.3284,
0.3461

Harmonies

Analogous

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



41.1117, 0.5264, 0.3751



41.1117, 0.4882, 0.4506



41.1117, 0.4069, 0.5179

Triad

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



41.1117, 0.4882, 0.4506



41.1117, 0.1562, 0.3158



41.1117, 0.2837, 0.1957

Complementary

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



41.1117, 0.4882, 0.4506



10.1655, 0.1611, 0.0999

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.



41.1117, 0.1983, 0.1745



41.1117, 0.4882, 0.4506



41.1117, 0.1364, 0.2245

Square

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



41.1117, 0.4882, 0.4506



41.1117, 0.2162, 0.4444



41.1117, 0.1505, 0.1816



41.1117, 0.3970, 0.2416

Rectangle

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



41.1117, 0.4882, 0.4506



41.1117, 0.3419, 0.5363



41.1117, 0.1505, 0.1816



41.1117, 0.2511, 0.1857

Sweetspot

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



41.1141, 0.4882, 0.4506



81.8029, 0.3647, 0.3825



17.1346, 0.5737, 0.2934



17.0237, 0.3729, 0.3902



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.



41.1141, 0.4882, 0.4506



52.2838, 0.4887, 0.4502



66.6130, 0.3868, 0.5311



16.0235, 0.3275, 0.3452



23.7279, 0.4868, 0.4516



1.9169, 0.4746, 0.4614

Inverse Universe

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



10.1655, 0.1611, 0.0999



12.8218, 0.1608, 0.0989



6.1497, 0.1576, 0.0642



14.6125, 0.2981, 0.3123



6.0000, 0.1618, 0.1025



0.6041, 0.1699, 0.1316

Previews

White Background



This preview shows how the Yxy color 41.1117, 0.4882, 0.4506 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 41.1117, 0.4882, 0.4506 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 41.1117, 0.4882, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 41.1117, 0.4882, 0.4506.



This preview shows how white text looks on a background with the Yxy color 41.1117, 0.4882, 0.4506.

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

41.1117, 0.4882, 0.4506

Protanopia

41.3910, 0.4378, 0.4861

Deuteranopia

41.0998, 0.4729, 0.4627



Tritanopia

41.1689, 0.3939, 0.3168

Trichromacy



Original Color

41.1117, 0.4882, 0.4506

Protanomaly

41.2926, 0.4561, 0.4733

Deuteranomaly

41.0193, 0.4787, 0.4581

Tritanomaly

40.3964, 0.4476, 0.3846

Monochromacy



Original Color

41.1117, 0.4882, 0.4506

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.5400, 0.3934, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1117, 0.4882, 0.4506 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(229, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.1117, 0.4882, 0.4506 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(229, 158, 0) }
```

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

```
.border{ border-color:rgb(229, 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(229, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1117, 0.4882, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 158, 0) }
```

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

```
.background{ background-color: rgb(229,  
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](#).

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