

Converting Colors

Yxy(51.5317, 0.4899, 0.4496)

Have a look what the booklet for
Yxy(51.5317, 0.4899, 0.4496)
contains.

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Color

Yxy(51.3429, 0.4900, 0.4492)

Conversions

Conversions Part 1

Format	Color
Hex	FEAE00
RGB	254, 174, 0
RGB Percent	100%, 68%, 0%
CMY	0.0039, 0.3176, 1.0000
CMYK	0.00, 0.31, 1.00, 0.00
HSL	41°, 100%, 50%
HSV	41°, 100%, 100%
XYZ	56.0063, 51.3429, 6.9494
YIQ	178.0840, 103.5340, -37.1540

Conversions

Conversions Part 2

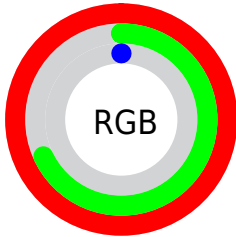
Format	Color
RYB	117, 254, 0
Decimal	16690688
CIELab	76.89, 18.81, 80.22
CIElCh	77, 82.398, 76.804
Yxy	51.3429, 0.4900, 0.4492
Android (android.graphics.Color)	4294880768 (0xFFFEAE00)
YUV	178.0840, -87.7954, 66.5783
Hunter-Lab	71.6540, 14.1250, 44.4075

Details

The Yxy color **51.3429, 0.4900, 0.4492** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **12.8901, 0.1611, 0.1001**, and the grayscale version is **45.0029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8927, 0.4218, 0.4644**, and **24.9954, 0.5011, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **51.3462, 0.4900, 0.4492**, and if you desaturate by 10%, it is **54.6014, 0.4782, 0.4519**.

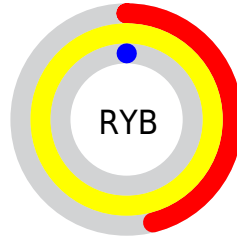
Distribution



Red (100%)

Green (68%)

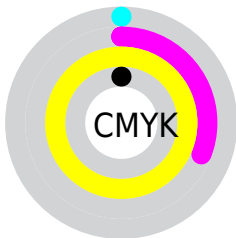
Blue (0%)



Red (46%)

Yellow (100%)

Blue (0%)

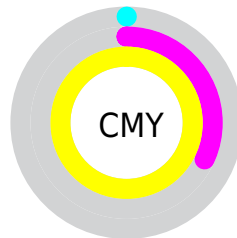


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3429, 0.4900, 0.4492 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 51.3429, 0.4900, 0.4492 by changing the saturation by 10% instead.

 51.3429, 0.4900,
0.4492

 51.3429, 0.4900,
0.4492


391.8946, 0.4128,
0.4046


 36.4816, 0.5038,
0.4544


 92.1614, 0.4659,
0.4374


 24.8064, 0.5184,
0.4581


 118.8874, 0.4556,
0.4317

 15.9328, 0.5369,
0.4619


 150.3371, 0.4464,
0.4262

 9.4766, 0.5466,
0.4534

 186.8949, 0.4382,
0.4212

 5.0534, 0.5597,
0.4403

 228.9451, 0.4308,
0.4165

 2.2786, 0.5801,
0.4199

 276.8722, 0.4242,

 0.7624, 0.6178,

0.4122

0.3822

331.0606, 0.4182,
0.4083

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.3429, 0.4900,
0.4492

51.3429, 0.4900,
0.4492

51.3462, 0.4900,
0.4492

54.6014, 0.4782,
0.4519

58.1372, 0.4635,
0.4500

61.9852, 0.4458,
0.4430

66.1657, 0.4262,
0.4317

■ 70.6963, 0.4055,
0.4170

■ 75.5927, 0.3848,
0.4001

■ 80.8689, 0.3647,
0.3822

■ 86.5383, 0.3459,
0.3639

■ 92.6130, 0.3285,
0.3461

Harmonies

Analogous

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



51.3429, 0.5272, 0.3735



51.3429, 0.4900, 0.4492



51.3429, 0.4091, 0.5173

Triad

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



51.3429, 0.4900, 0.4492



51.3429, 0.1566, 0.3182



51.3429, 0.2814, 0.1946

Complementary

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



51.3429, 0.4900, 0.4492



12.8901, 0.1611, 0.1001

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.



51.3429, 0.1966, 0.1739



51.3429, 0.4900, 0.4492



51.3429, 0.1359, 0.2255

Square

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



51.3429, 0.4900, 0.4492



51.3429, 0.2175, 0.4475



51.3429, 0.1495, 0.1817



51.3429, 0.3949, 0.2402

Rectangle

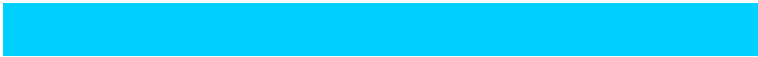
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.3429, 0.4900, 0.4492



51.3429, 0.3440, 0.5371



51.3429, 0.1495, 0.1817



51.3429, 0.2489, 0.1848

Sweetspot

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



51.3462, 0.4900, 0.4492



81.5961, 0.3648, 0.3822



21.6552, 0.5751, 0.2942



16.9742, 0.3731, 0.3898



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.



51.3462, 0.4900, 0.4492



51.8036, 0.4900, 0.4492



84.2069, 0.3866, 0.5312



20.0691, 0.3277, 0.3452



27.3483, 0.4885, 0.4503



2.8589, 0.4786, 0.4582

Inverse Universe

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



12.8901, 0.1611, 0.1001



13.0012, 0.1611, 0.1000



7.7494, 0.1573, 0.0640



18.3111, 0.2979, 0.3122



7.0279, 0.1619, 0.1029



0.8703, 0.1681, 0.1250

Previews

White Background



This preview shows how the Yxy color 51.3429, 0.4900, 0.4492 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 51.3429, 0.4900, 0.4492 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 51.3429, 0.4900, 0.4492

Background



This preview shows how black text looks on a background with the Yxy color 51.3429, 0.4900, 0.4492.



This preview shows how white text looks on a background with the Yxy color 51.3429, 0.4900, 0.4492.

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

51.3429, 0.4900, 0.4492

Protanopia

51.7461, 0.4389, 0.4858

Deuteranopia

51.1678, 0.4727, 0.4629



Tritanopia

51.3049, 0.3871, 0.3176

Trichromacy



Original Color

51.3429, 0.4900, 0.4492

Protanomaly

51.3779, 0.4575, 0.4728

Deuteranomaly

51.2533, 0.4788, 0.4580

Tritanomaly

50.4351, 0.4454, 0.3862

Monochromacy



Original Color

51.3429, 0.4900, 0.4492

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.7583, 0.3941, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3429, 0.4900, 0.4492 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(254, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 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(254, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.3429, 0.4900, 0.4492 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(254, 174, 0) }
```

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

```
.border{ border-color:rgb(254, 174, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 174, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3429, 0.4900, 0.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 0) }
```

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

```
.background{ background-color: rgb(254,  
174, 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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