

Converting Colors

$Yxy(48.0444, 0.4892, 0.4265)$

Have a look what the booklet for
Yxy(48.0444, 0.4892, 0.4265)
contains.

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Color

Yxy(48.0499, 0.4892, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	FFA433
RGB	255, 164, 51
RGB Percent	100%, 64%, 20%
CMY	0.0000, 0.3568, 0.8001
CMYK	0.00, 0.36, 0.80, 0.00
HSL	33°, 100%, 60%
HSV	33°, 80%, 100%
XYZ	55.1137, 48.0499, 9.4973
YIQ	178.3270, 90.5090, -15.8510

Conversions

Conversions Part 2

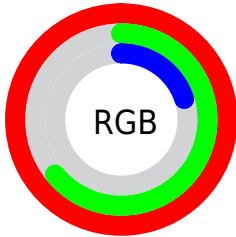
Format	Color
RYB	215, 255, 51
Decimal	16753715
CIELab	74.86, 25.32, 67.95
CIElCh	75, 72.516, 69.563
Yxy	48.0499, 0.4892, 0.4265
Android (android.graphics.Color)	4294943795 (0xFFFFA433)
YUV	178.3270, -62.7722, 67.2422
Hunter-Lab	69.3180, 20.6161, 40.3993

Details

The Yxy color **48.0499, 0.4892, 0.4265** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **27.2572, 0.1880, 0.1762**, and the grayscale version is **45.0054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9636, 0.4162, 0.4390**, and **22.9258, 0.5177, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **43.9947, 0.5102, 0.4255**, and if you desaturate by 10%, it is **52.5955, 0.4653, 0.4222**.

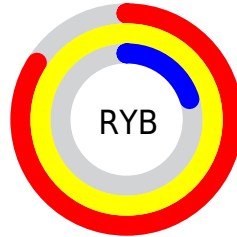
Distribution



Red (100%)

Green (64%)

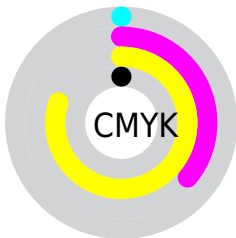
Blue (20%)



Red (84%)

Yellow (100%)

Blue (20%)

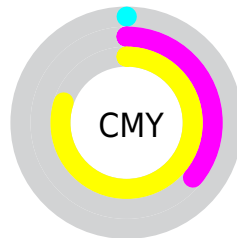


Cyan (0%)

Magenta (36%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0499, 0.4892, 0.4265 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 48.0499, 0.4892, 0.4265 by changing the saturation by 10% instead.


 48.0499, 0.4892,
0.4265


 48.0499, 0.4892,
0.4265


378.9899, 0.4075,
0.3896

 33.8664, 0.5057,
0.4311


 87.2787, 0.4622,
0.4165

 22.7910, 0.5243,
0.4344


 113.0928, 0.4512,
0.4117


 14.4392, 0.5452,
0.4350


 143.5525, 0.4415,
0.4072

 8.4268, 0.5688,
0.4312

 179.0423, 0.4330,
0.4030

 4.3692, 0.5872,
0.4128

 219.9466, 0.4255,
0.3992

 1.8822, 0.6159,
0.3841

 266.6496, 0.4189,

 0.5376, 0.6839,

0.3957

319.5359, 0.4129,
0.3925

0.3161

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.0499, 0.4892,
0.4265

48.0499, 0.4892,
0.4265

43.9947, 0.5102,
0.4255


52.5955, 0.4653,
0.4222

40.3911, 0.5275,
0.4194


57.6534, 0.4399,
0.4134

63.2487, 0.4146,
0.4014

69.4030, 0.3902,
0.3874

 76.1361, 0.3677,
0.3725

 83.4664, 0.3472,
0.3575

 91.4116, 0.3289,
0.3429

99.9881, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



48.0499, 0.5065, 0.3571



48.0499, 0.4892, 0.4265



48.0499, 0.4242, 0.4901

Triad

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



48.0499, 0.4892, 0.4265



48.0499, 0.1803, 0.3473



48.0499, 0.2631, 0.1981

Complementary

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



48.0499, 0.4892, 0.4265



27.2572, 0.1880, 0.1762

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.



48.0499, 0.1926, 0.1850



48.0499, 0.4892, 0.4265



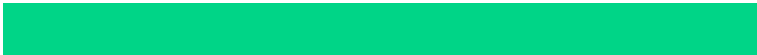
48.0499, 0.1511, 0.2524

Square

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



48.0499, 0.4892, 0.4265



48.0499, 0.2464, 0.4591



48.0499, 0.1560, 0.2005



48.0499, 0.3620, 0.2357

Rectangle

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



48.0499, 0.4892, 0.4265



48.0499, 0.3666, 0.5141



48.0499, 0.1560, 0.2005



48.0499, 0.2358, 0.1908

Sweetspot

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



48.0515, 0.4892, 0.4265



80.4713, 0.3551, 0.3635



25.6012, 0.4675, 0.2527



16.6687, 0.3625, 0.3688



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.



48.0515, 0.4892, 0.4265



41.7861, 0.5208, 0.4222



91.1349, 0.4065, 0.5010



19.6559, 0.3280, 0.3422



21.4080, 0.5252, 0.4212



2.3025, 0.5098, 0.4334

Inverse Universe

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



27.2572, 0.1880, 0.1762



20.5690, 0.1740, 0.1442



10.5821, 0.1663, 0.0831



18.7114, 0.2979, 0.3155



10.3159, 0.1722, 0.1398



1.2184, 0.1782, 0.1616

Previews

White Background



This preview shows how the Yxy color 48.0499, 0.4892, 0.4265 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 48.0499, 0.4892, 0.4265 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 48.0499, 0.4892, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 48.0499, 0.4892, 0.4265.



This preview shows how white text looks on a background with the Yxy color 48.0499, 0.4892, 0.4265.

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

48.0499, 0.4892, 0.4265

Protanopia

48.2488, 0.4261, 0.4694

Deuteranopia

48.0130, 0.4616, 0.4513



Tritanopia

48.1640, 0.3988, 0.3187

Trichromacy



Original Color

48.0499, 0.4892, 0.4265

Protanomaly

47.5579, 0.4494, 0.4535

Deuteranomaly

47.8645, 0.4715, 0.4422

Tritanomaly

47.8823, 0.4390, 0.3655

Monochromacy



Original Color

48.0499, 0.4892, 0.4265

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.6749, 0.3798, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0499, 0.4892, 0.4265 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(255, 164, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 51)  
}
```

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(255, 164, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 51) }
```

Border

The CSS property to change the border of an element to Yxy 48.0499, 0.4892, 0.4265 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(255, 164, 51) }
```

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

```
.border{ border-color:rgb(255, 164, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0499, 0.4892, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 51) }
```

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

```
.background{ background-color: rgb(255,  
164, 51) }
```

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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