

Converting Colors

Yxy(50.7680, 0.4708, 0.4195)

Have a look what the booklet for
Yxy(50.7680, 0.4708, 0.4195)
contains.

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Color

Yxy(50.8802, 0.4706, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB4A
RGB	255, 171, 74
RGB Percent	100%, 67%, 29%
CMY	0.0000, 0.3294, 0.7100
CMYK	0.00, 0.33, 0.71, 0.00
HSL	32°, 100%, 64%
HSV	32°, 71%, 100%
XYZ	57.0372, 50.8802, 13.2836
YIQ	185.0580, 81.2010, -12.3590

Conversions

Conversions Part 2

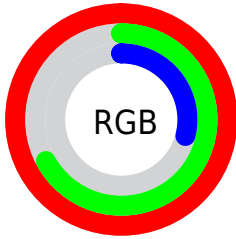
Format	Color
RYB	231, 255, 74
Decimal	16755530
CIELab	76.61, 22.57, 60.47
CIELCh	77, 64.549, 69.531
Yxy	50.8802, 0.4706, 0.4198
Android (android.graphics.Color)	4294945610 (0xFFFFAB4A)
YUV	185.0580, -54.7516, 61.3391
Hunter-Lab	71.3304, 17.9041, 38.8899

Details

The Yxy color **50.8802, 0.4706, 0.4198** 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 **33.1061, 0.2000, 0.2001**, and the grayscale version is **48.8253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1850, 0.4001, 0.4273**, and **24.5685, 0.5035, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **46.3351, 0.4952, 0.4232**, and if you desaturate by 10%, it is **55.9696, 0.4445, 0.4118**.

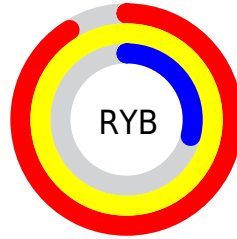
Distribution



Red (100%)

Green (67%)

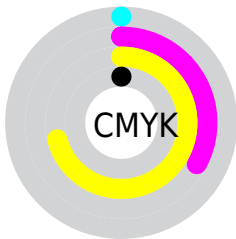
Blue (29%)



Red (91%)

Yellow (100%)

Blue (29%)

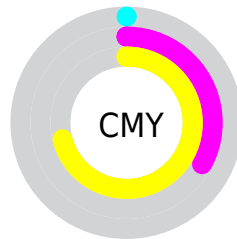


Cyan (0%)

Magenta (33%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8802, 0.4706, 0.4198 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 50.8802, 0.4706, 0.4198 by changing the saturation by 10% instead.


 50.8802, 0.4706,
0.4198

 50.8802, 0.4706,
0.4198


390.0982, 0.3966,
0.3833


 36.1133, 0.4863,
0.4255


 91.4777, 0.4456,
0.4090


 24.5217, 0.5045,
0.4307


 118.0770, 0.4356,
0.4042

 15.7211, 0.5254,
0.4344


 149.3892, 0.4269,
0.3999

 9.3270, 0.5534,
0.4380

 185.7988, 0.4193,
0.3959

 4.9551, 0.5737,
0.4263

 227.6901, 0.4126,
0.3923

 2.2209, 0.5977,
0.4023

275.4475, 0.4066,

 0.7314, 0.6425,

0.3890

0.3575

329.4554, 0.4013,
0.3860

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.8802, 0.4706,
0.4198

50.8802, 0.4706,
0.4198

46.3351, 0.4952,
0.4232

55.9696, 0.4445,
0.4118

42.2980, 0.5167,
0.4212

61.6207, 0.4184,
0.4004

39.0672, 0.5328,
0.4151

67.8587, 0.3934,
0.3870

74.7047, 0.3702,
0.3726

82.1785, 0.3493,
0.3580

90.2985, 0.3307,
0.3438

99.0826, 0.3142,
0.3303

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



50.8802, 0.4833, 0.3574



50.8802, 0.4706, 0.4198



50.8802, 0.4147, 0.4733

Triad

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



50.8802, 0.4706, 0.4198



50.8802, 0.1955, 0.3464



50.8802, 0.2694, 0.2113

Complementary

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



50.8802, 0.4706, 0.4198



33.1061, 0.2000, 0.2001

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.



50.8802, 0.2054, 0.1997



50.8802, 0.4706, 0.4198



50.8802, 0.1677, 0.2631

Square

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



50.8802, 0.4706, 0.4198



50.8802, 0.2558, 0.4406



50.8802, 0.1716, 0.2150



50.8802, 0.3565, 0.2457

Rectangle

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



50.8802, 0.4706, 0.4198



50.8802, 0.3636, 0.4908



50.8802, 0.1716, 0.2150



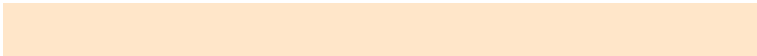
50.8802, 0.2449, 0.2047

Sweetspot

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



50.8828, 0.4706, 0.4198



82.1800, 0.3493, 0.3580



28.6341, 0.4378, 0.2512



17.1345, 0.3549, 0.3620



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.



50.8828, 0.4706, 0.4198



44.6615, 0.5042, 0.4231



92.1457, 0.4036, 0.4890



19.6000, 0.3281, 0.3418



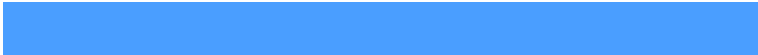
20.7159, 0.5305, 0.4170



2.2358, 0.5143, 0.4298

Inverse Universe

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



33.1061, 0.2000, 0.2001



26.0443, 0.1843, 0.1710



13.8153, 0.1781, 0.1034



18.7667, 0.2979, 0.3159



10.8710, 0.1738, 0.1455



1.2744, 0.1797, 0.1670

Previews

White Background



This preview shows how the Yxy color 50.8802, 0.4706, 0.4198 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 50.8802, 0.4706, 0.4198 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 50.8802, 0.4706, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 50.8802, 0.4706, 0.4198.



This preview shows how white text looks on a background with the Yxy color 50.8802, 0.4706, 0.4198.

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

50.8802, 0.4706, 0.4198

Protanopia

51.2403, 0.4141, 0.4544

Deuteranopia

50.9303, 0.4486, 0.4389



Tritanopia

50.8669, 0.3894, 0.3187

Trichromacy



Original Color

50.8802, 0.4706, 0.4198

Protanomaly

50.7337, 0.4349, 0.4417

Deuteranomaly

50.9668, 0.4566, 0.4321

Tritanomaly

50.7324, 0.4228, 0.3596

Monochromacy



Original Color

50.8802, 0.4706, 0.4198

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3885, 0.3693, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8802, 0.4706, 0.4198 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, 171, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 74)  
}
```

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, 171, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 74) }
```

Border

The CSS property to change the border of an element to Yxy 50.8802, 0.4706, 0.4198 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, 171, 74) }
```

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

```
.border{ border-color:rgb(255, 171, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8802, 0.4706, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 74) }
```

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

```
.background{ background-color: rgb(255,  
171, 74) }
```

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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