

Converting Colors

$Yxy(48.5313, 0.4810, 0.3984)$

Have a look what the booklet for
Yxy(48.5313, 0.4810, 0.3984)
contains.

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Color

Yxy(46.6964, 0.4745, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F54
RGB	255, 159, 84
RGB Percent	100%, 62%, 33%
CMY	0.0000, 0.3765, 0.6707
CMYK	0.00, 0.38, 0.67, 0.00
HSL	26°, 100%, 66%
HSV	26°, 67%, 100%
XYZ	55.2417, 46.6964, 14.4828
YIQ	179.1540, 81.2910, -2.9730

Conversions

Conversions Part 2

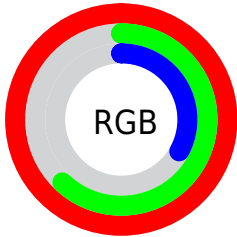
Format	Color
R _Y B	255, 218, 84
Decimal	16752468
CIE Lab	74.00, 29.36, 53.07
CIE LCh	74, 60.649, 61.052
Yxy	46.6964, 0.4745, 0.4011
Android (android.graphics.Color)	4294942548 (0xFFFF9F54)
YUV	179.1540, -46.9109, 66.5169
Hunter-Lab	68.3348, 24.7132, 35.2685

Details

The Yxy color **46.6964, 0.4745, 0.4011** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.7340, 0.2107, 0.2313**, and the grayscale version is **45.3857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1307, 0.4003, 0.4083**, and **21.9627, 0.5124, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **41.7255, 0.5048, 0.4043**, and if you desaturate by 10%, it is **52.3818, 0.4438, 0.3938**.

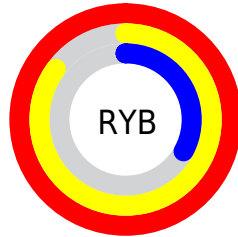
Distribution



Red (100%)

Green (62%)

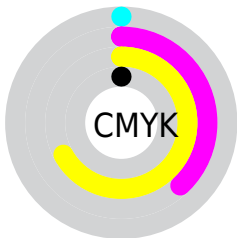
Blue (33%)



Red (100%)

Yellow (85%)

Blue (33%)

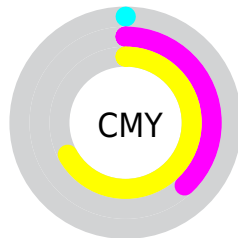


Cyan (0%)

Magenta (38%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6964, 0.4745, 0.4011 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 46.6964, 0.4745, 0.4011 by changing the saturation by 10% instead.


 46.6964, 0.4745,
0.4011


 46.6964, 0.4745,
0.4011


373.6014, 0.3960,
0.3727

 32.7957, 0.4921,
0.4052


 85.2603, 0.4472,
0.3930

 21.9700, 0.5131,
0.4086


 110.6922, 0.4366,
0.3892


 13.8349, 0.5383,
0.4102


 140.7367, 0.4274,
0.3858

 8.0059, 0.5708,
0.4094

 175.7782, 0.4195,
0.3827

 4.0987, 0.6037,
0.3963

 216.2010, 0.4125,
0.3799

 1.7289, 0.6372,
0.3628

262.3895, 0.4064,

 0.4423, 0.7262,

0.3773

0.2738

314.7282, 0.4009,
0.3749

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.6964, 0.4745,
0.4011

46.6964, 0.4745,
0.4011

41.7255, 0.5048,
0.4043

52.3818, 0.4438,
0.3938

37.4345, 0.5326,
0.4024


58.8156, 0.4145,
0.3838


33.7810, 0.5557,
0.3949

66.0275, 0.3875,
0.3723

32.8190, 0.5618,
0.3921

74.0456, 0.3635,
0.3602

 82.8963, 0.3424,
0.3482

 92.6049, 0.3241,
0.3367

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.



46.6964, 0.4714, 0.3401



46.6964, 0.4745, 0.4011



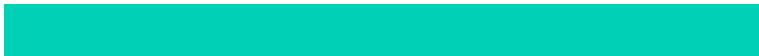
46.6964, 0.4306, 0.4569

Triad

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



46.6964, 0.4745, 0.4011



46.6964, 0.2127, 0.3727



46.6964, 0.2504, 0.2088

Complementary

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



46.6964, 0.4745, 0.4011



41.7340, 0.2107, 0.2313

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.



46.6964, 0.1961, 0.2046



46.6964, 0.4745, 0.4011



46.6964, 0.1761, 0.2852

Square

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



46.6964, 0.4745, 0.4011



46.6964, 0.2789, 0.4563



46.6964, 0.1713, 0.2282



46.6964, 0.3303, 0.2365

Rectangle

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



46.6964, 0.4745, 0.4011



46.6964, 0.3845, 0.4812



46.6964, 0.1713, 0.2282



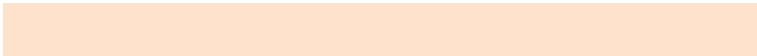
46.6964, 0.2291, 0.2046

Sweetspot

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



46.6960, 0.4745, 0.4011



80.2156, 0.3483, 0.3517



30.9276, 0.4041, 0.2370



16.6336, 0.3542, 0.3551



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.



46.6960, 0.4745, 0.4011



40.3998, 0.5133, 0.4043



86.3594, 0.4113, 0.4731



19.2983, 0.3283, 0.3395



17.4340, 0.5590, 0.3944



1.9106, 0.5392, 0.4100

Inverse Universe

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



41.7340, 0.2107, 0.2313



35.0171, 0.1967, 0.2089



17.3552, 0.1848, 0.1242



19.0694, 0.2979, 0.3183



14.3611, 0.1829, 0.1784



1.6160, 0.1881, 0.1970

Previews

White Background



This preview shows how the Yxy color 46.6964, 0.4745, 0.4011 looks on a white background.

Color Contrast Check

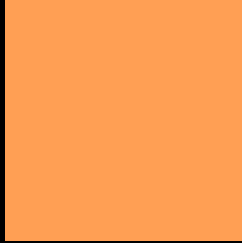
Large Text (above 18pt) WCAG AA × Fail

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 46.6964, 0.4745, 0.4011 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 46.6964, 0.4745, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 46.6964, 0.4745, 0.4011.



This preview shows how white text looks on a background with the Yxy color 46.6964, 0.4745, 0.4011.

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

46.6964, 0.4745, 0.4011

Protanopia

46.6287, 0.4029, 0.4400

Deuteranopia

46.6351, 0.4403, 0.4300



Tritanopia

46.6868, 0.4045, 0.3188

Trichromacy



Original Color

46.6964, 0.4745, 0.4011

Protanomaly

46.3488, 0.4295, 0.4261

Deuteranomaly

46.6039, 0.4536, 0.4193

Tritanomaly

46.4239, 0.4332, 0.3512

Monochromacy



Original Color

46.6964, 0.4745, 0.4011

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7841, 0.3703, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6964, 0.4745, 0.4011 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, 159, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 84)  
}
```

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, 159, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 84) }
```

Border

The CSS property to change the border of an element to Yxy 46.6964, 0.4745, 0.4011 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, 159, 84) }
```

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

```
.border{ border-color:rgb(255, 159, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6964, 0.4745, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 84) }
```

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

```
.background{ background-color: rgb(255,  
159, 84) }
```

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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