

Converting Colors

$Y_{xy}(45.1584, 0.4725, 0.3900)$

Have a look what the booklet for
Yxy(45.1584, 0.4725, 0.3900)
contains.

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Color

Yxy(45.1439, 0.4725, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A5C
RGB	255, 154, 92
RGB Percent	100%, 60%, 36%
CMY	0.0001, 0.3960, 0.6393
CMYK	0.00, 0.40, 0.64, 0.00
HSL	23°, 100%, 68%
HSV	23°, 64%, 100%
XYZ	54.7216, 45.1439, 15.9474
YIQ	177.1310, 80.0980, 2.1300

Conversions

Conversions Part 2

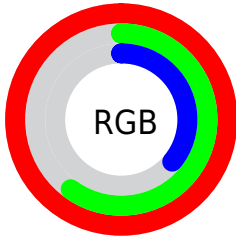
Format	Color
R_{YB}	255, 192, 92
Decimal	16751196
CIE _{Lab}	72.99, 32.39, 48.00
CIE _{LCh}	73, 57.907, 55.990
Yxy	45.1439, 0.4725, 0.3898
Android (android.graphics.Color)	4294941276 (0xFFFF9A5C)
YUV	177.1310, -41.9696, 68.2911
Hunter-Lab	67.1892, 27.7966, 32.9599

Details

The Yxy color **45.1439, 0.4725, 0.3898** 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 **47.6034, 0.2177, 0.2496**, and the grayscale version is **44.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8745, 0.3970, 0.3959**, and **21.0146, 0.5118, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **39.8975, 0.5061, 0.3932**, and if you desaturate by 10%, it is **51.2308, 0.4395, 0.3829**.

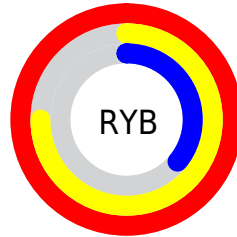
Distribution



Red (100%)

Green (60%)

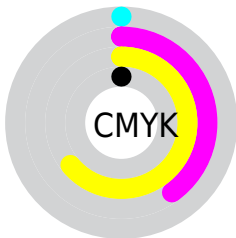
Blue (36%)



Red (100%)

Yellow (75%)

Blue (36%)

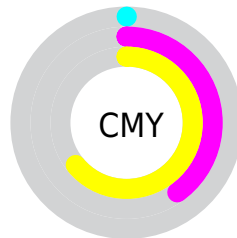


Cyan (0%)

Magenta (40%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1439, 0.4725, 0.3898 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 45.1439, 0.4725, 0.3898 by changing the saturation by 10% instead.


 45.1439, 0.4725,
0.3898

 45.1439, 0.4725,
0.3898

367.3560, 0.3937,
0.3662

 31.5708, 0.4907,
0.3931


 82.9363, 0.4447,
0.3831


 21.0339, 0.5129,
0.3957


 107.9244, 0.4340,
0.3800

 13.1488, 0.5400,
0.3965


 137.4863, 0.4248,
0.3771

 7.5311, 0.5740,
0.3936

 172.0063, 0.4169,
0.3745

 3.7964, 0.6173,
0.3827

211.8689, 0.4100,
0.3722

 1.5603, 0.6549,
0.3451

257.4585, 0.4039,

 0.3306, 0.7742,

0.3700

0.2258

309.1594, 0.3985,
0.3680

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.1439, 0.4725,
0.3898

45.1439, 0.4725,
0.3898

39.8975, 0.5061,
0.3932

51.2308, 0.4395,
0.3829

35.4423, 0.5378,
0.3918

58.1900, 0.4089,
0.3737


31.7332, 0.5647,
0.3850

66.0597, 0.3814,
0.3635

29.8164, 0.5784,
0.3789

74.8734, 0.3574,
0.3529

 84.6631, 0.3367,
0.3425

 95.4589, 0.3189,
0.3327

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



45.1439, 0.4602, 0.3305



45.1439, 0.4725, 0.3898



45.1439, 0.4370, 0.4455

Triad

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



45.1439, 0.4725, 0.3898



45.1439, 0.2251, 0.3865



45.1439, 0.2416, 0.2098

Complementary

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



45.1439, 0.4725, 0.3898



47.6034, 0.2177, 0.2496

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.



45.1439, 0.1934, 0.2101



45.1439, 0.4725, 0.3898



45.1439, 0.1839, 0.2997

Square

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



45.1439, 0.4725, 0.3898



45.1439, 0.2931, 0.4606



45.1439, 0.1740, 0.2385



45.1439, 0.3157, 0.2332

Rectangle

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



45.1439, 0.4725, 0.3898



45.1439, 0.3950, 0.4720



45.1439, 0.1740, 0.2385



45.1439, 0.2224, 0.2070

Sweetspot

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



45.1462, 0.4725, 0.3898



79.5890, 0.3468, 0.3477



32.8555, 0.3842, 0.2298



16.4450, 0.3528, 0.3507



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.



45.1462, 0.4725, 0.3898



38.4537, 0.5161, 0.3933



80.4469, 0.4144, 0.4606



19.1202, 0.3285, 0.3381



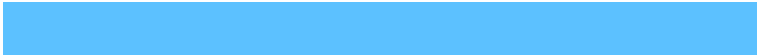
15.8472, 0.5755, 0.3813



1.7459, 0.5542, 0.3981

Inverse Universe

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



47.6034, 0.2177, 0.2496



40.8875, 0.2038, 0.2301



21.4609, 0.1933, 0.1459



19.2517, 0.2979, 0.3197



16.8365, 0.1886, 0.1989



1.8504, 0.1932, 0.2153

Previews

White Background



This preview shows how the Yxy color 45.1439, 0.4725, 0.3898 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 45.1439, 0.4725, 0.3898 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 45.1439, 0.4725, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 45.1439, 0.4725, 0.3898.



This preview shows how white text looks on a background with the Yxy color 45.1439, 0.4725, 0.3898.

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

45.1439, 0.4725, 0.3898

Protanopia

45.4524, 0.3932, 0.4287

Deuteranopia

45.2026, 0.4318, 0.4230



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.1439, 0.4725, 0.3898

Protanomaly

44.9131, 0.4214, 0.4143

Deuteranomaly

44.9552, 0.4468, 0.4110

Tritanomaly

45.1425, 0.4344, 0.3460

Monochromacy



Original Color

45.1439, 0.4725, 0.3898

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.4304, 0.3676, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1439, 0.4725, 0.3898 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, 154, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 92)  
}
```

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, 154, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 92) }
```

Border

The CSS property to change the border of an element to Yxy 45.1439, 0.4725, 0.3898 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, 154, 92) }
```

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

```
.border{ border-color:rgb(255, 154, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 154, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1439, 0.4725, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 92) }
```

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

```
.background{ background-color: rgb(255,  
154, 92) }
```

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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