

Converting Colors

$Y_{xy}(47.5896, 0.4813, 0.3856)$

Have a look what the booklet for
Yxy(47.5896, 0.4813, 0.3856)
contains.

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Color

Yxy(45.1615, 0.4717, 0.3889)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FF9A5D |
| RGB | 255, 154, 93 |
| RGB Percent | 100%, 60%, 36% |
| CMY | 0.0000, 0.3961, 0.6353 |
| CMYK | 0.00, 0.40, 0.64, 0.00 |
| HSL | 23°, 100%, 68% |
| HSV | 23°, 64%, 100% |
| XYZ | 54.7768, 45.1615, 16.1880 |
| YIQ | 177.2450, 79.7770, 2.4410 |

Conversions

Conversions Part 2

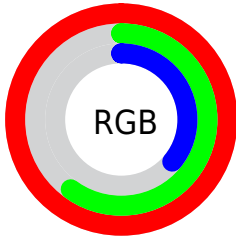
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 191, 93 |
| Decimal | 16751197 |
| CIELab | 73.00, 32.48, 47.49 |
| CIElCh | 73, 57.537, 55.633 |
| Yxy | 45.1615, 0.4717, 0.3889 |
| Android (android.graphics.Color) | 4294941277 (0xFFFF9A5D) |
| YUV | 177.2450, -41.5328, 68.1911 |
| Hunter-Lab | 67.2023, 27.8917, 32.7596 |

Details

The Yxy color **45.1615, 0.4717, 0.3889** 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 **48.1378, 0.2184, 0.2511**, and the grayscale version is **44.2917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9053, 0.3963, 0.3949**, and **21.0220, 0.5110, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **39.8760, 0.5055, 0.3924**, and if you desaturate by 10%, it is **51.2906, 0.4386, 0.3820**.

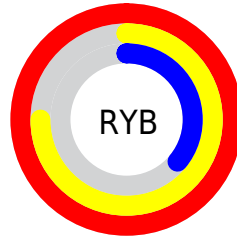
Distribution



Red (100%)

Green (60%)

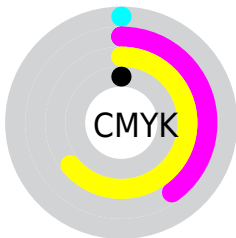
Blue (36%)



Red (100%)

Yellow (75%)

Blue (36%)

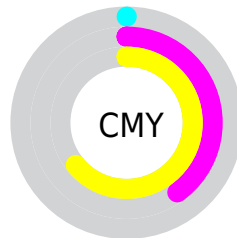


Cyan (0%)

Magenta (40%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1615, 0.4717, 0.3889 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 45.1615, 0.4717, 0.3889 by changing the saturation by 10% instead.


 45.1615, 0.4717,
0.3889


 45.1615, 0.4717,
0.3889


367.4272, 0.3933,
0.3656

 31.5847, 0.4899,
0.3921


 82.9627, 0.4440,
0.3823

 21.0445, 0.5120,
0.3948


 107.9559, 0.4333,
0.3792

 13.1565, 0.5392,
0.3956

 137.5232, 0.4242,
0.3764

 7.5364, 0.5732,
0.3926

 172.0492, 0.4163,
0.3738

 3.7998, 0.6176,
0.3824

211.9182, 0.4094,
0.3715

 1.5622, 0.6552,
0.3448

257.5146, 0.4034,

 0.3319, 0.7741,

0.3694

0.2259

309.2228, 0.3980,
0.3674

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.1615, 0.4717,
0.3889

45.1615, 0.4717,
0.3889

39.8760, 0.5055,
0.3924

51.2906, 0.4386,
0.3820

35.3946, 0.5375,
0.3911


58.3058, 0.4079,
0.3729


31.6683, 0.5649,
0.3845

66.2422, 0.3805,
0.3627

29.6261, 0.5796,
0.3780

75.1338, 0.3565,
0.3522

 85.0131, 0.3359,
0.3420

 95.9103, 0.3183,
0.3323

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.



45.1615, 0.4588, 0.3299



45.1615, 0.4717, 0.3889



45.1615, 0.4369, 0.4443

Triad

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



45.1615, 0.4717, 0.3889



45.1615, 0.2264, 0.3872



45.1615, 0.2413, 0.2102

Complementary

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



45.1615, 0.4717, 0.3889



48.1378, 0.2184, 0.2511

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.



45.1615, 0.1937, 0.2109



45.1615, 0.4717, 0.3889



45.1615, 0.1849, 0.3008

Square

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



45.1615, 0.4717, 0.3889



45.1615, 0.2943, 0.4602



45.1615, 0.1746, 0.2396



45.1615, 0.3148, 0.2333

Rectangle

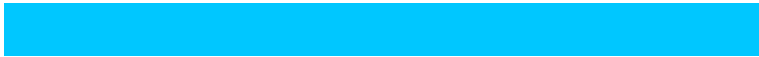
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1615, 0.4717, 0.3889



45.1615, 0.3954, 0.4709



45.1615, 0.1746, 0.2396



45.1615, 0.2223, 0.2076

Sweetspot

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



45.1604, 0.4717, 0.3889



79.4801, 0.3468, 0.3475



33.0581, 0.3835, 0.2302



16.4189, 0.3529, 0.3505



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.



45.1604, 0.4717, 0.3889



38.6939, 0.5137, 0.3925



80.5559, 0.4138, 0.4600



19.1075, 0.3285, 0.3380



15.7437, 0.5766, 0.3804



1.7349, 0.5553, 0.3973

Inverse Universe

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



48.1378, 0.2184, 0.2511



41.6902, 0.2050, 0.2327



21.7203, 0.1940, 0.1471



19.2649, 0.2979, 0.3198



17.0255, 0.1890, 0.2004



1.8681, 0.1935, 0.2166

Previews

White Background



This preview shows how the Yxy color 45.1615, 0.4717, 0.3889 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 45.1615, 0.4717, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

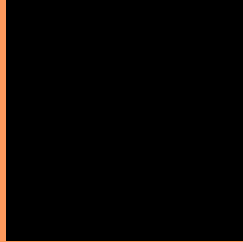
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1615, 0.4717, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 45.1615, 0.4717, 0.3889.



This preview shows how white text looks on a background with the Yxy color 45.1615, 0.4717, 0.3889.

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

45.1615, 0.4717, 0.3889

Protanopia

45.4721, 0.3925, 0.4275

Deuteranopia

45.2192, 0.4310, 0.4220



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.1615, 0.4717, 0.3889

Protanomaly

44.9321, 0.4206, 0.4133

Deuteranomaly

44.9721, 0.4460, 0.4101

Tritanomaly

45.1425, 0.4344, 0.3460

Monochromacy



Original Color

45.1615, 0.4717, 0.3889

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 45.1615, 0.4717, 0.3889 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 93) }
```

Border

The CSS property to change the border of an element to Yxy 45.1615, 0.4717, 0.3889 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, 93) }
```

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

```
.border{ border-color:rgb(255, 154, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1615, 0.4717, 0.3889 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, 93) }
```

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

```
.background{ background-color: rgb(255,  
154, 93) }
```

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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