

Converting Colors

$Y_{xy}(65.9903, 0.5302, 0.3680)$

Have a look what the booklet for
Yxy(65.9903, 0.5302, 0.3680)
contains.

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Color

Yxy(45.1794, 0.4709, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A5E
RGB	255, 154, 94
RGB Percent	100%, 60%, 37%
CMY	0.0000, 0.3961, 0.6315
CMYK	0.00, 0.40, 0.63, 0.00
HSL	22°, 100%, 68%
HSV	22°, 63%, 100%
XYZ	54.8183, 45.1794, 16.4141
YIQ	177.3590, 79.4560, 2.7520

Conversions

Conversions Part 2

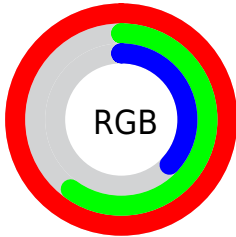
Format	Color
R _{YB}	255, 190, 94
Decimal	16751198
CIE Lab	73.01, 32.53, 47.02
CIE LCh	73, 57.180, 55.322
Yxy	45.1794, 0.4709, 0.3881
Android (android.graphics.Color)	4294941278 (0xFFFF9A5E)
YUV	177.3590, -41.0960, 68.0912
Hunter-Lab	67.2156, 27.9499, 32.5723

Details

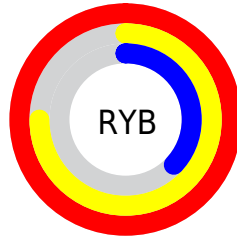
The Yxy color **45.1794, 0.4709, 0.3881** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **48.6153, 0.2190, 0.2525**, and the grayscale version is **44.3524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9363, 0.3956, 0.3939**, and **21.1615, 0.5111, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **39.8625, 0.5049, 0.3917**, and if you desaturate by 10%, it is **51.3512, 0.4377, 0.3811**.

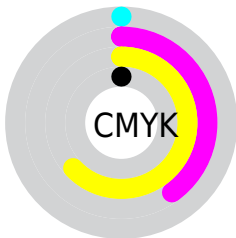
Distribution



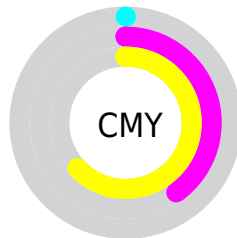
- Red (100%)
- Green (60%)
- Blue (37%)



- Red (100%)
- Yellow (75%)
- Blue (37%)



- Cyan (0%)
- Magenta (40%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1794, 0.4709, 0.3881 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 45.1794, 0.4709, 0.3881 by changing the saturation by 10% instead.


 45.1794, 0.4709,
0.3881


 45.1794, 0.4709,
0.3881

367.4996, 0.3928,
0.3651

 31.5988, 0.4890,
0.3913


 82.9896, 0.4433,
0.3815


 21.0552, 0.5112,
0.3939


 107.9879, 0.4327,
0.3785

 13.1644, 0.5384,
0.3948


 137.5608, 0.4236,
0.3758

 7.5418, 0.5723,
0.3918

 172.0929, 0.4157,
0.3732

 3.8032, 0.6177,
0.3823

211.9684, 0.4089,
0.3709

 1.5641, 0.6554,
0.3446

257.5718, 0.4029,

 0.3332, 0.7739,

0.3688

0.2261

309.2874, 0.3975,
0.3669

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.1794, 0.4709,
0.3881

45.1794, 0.4709,
0.3881

39.8625, 0.5049,
0.3917

51.3512, 0.4377,
0.3811

35.3568, 0.5372,
0.3905


58.4170, 0.4070,
0.3721


31.6143, 0.5649,
0.3841

66.4136, 0.3796,
0.3620

29.4555, 0.5806,
0.3772

75.3754, 0.3558,
0.3516

 85.3350, 0.3352,
0.3415

 96.3233, 0.3177,
0.3319

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.



45.1794, 0.4575, 0.3294



45.1794, 0.4709, 0.3881



45.1794, 0.4368, 0.4433

Triad

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



45.1794, 0.4709, 0.3881



45.1794, 0.2275, 0.3877



45.1794, 0.2411, 0.2107

Complementary

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



45.1794, 0.4709, 0.3881



48.6153, 0.2190, 0.2525

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.



45.1794, 0.1939, 0.2117



45.1794, 0.4709, 0.3881



45.1794, 0.1859, 0.3019

Square

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



45.1794, 0.4709, 0.3881



45.1794, 0.2952, 0.4598



45.1794, 0.1753, 0.2406



45.1794, 0.3139, 0.2335

Rectangle

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



45.1794, 0.4709, 0.3881



45.1794, 0.3958, 0.4697



45.1794, 0.1753, 0.2406



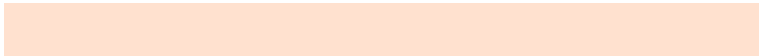
45.1794, 0.2222, 0.2082

Sweetspot

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



45.1795, 0.4709, 0.3881



79.3837, 0.3468, 0.3474



33.2441, 0.3829, 0.2306



16.3958, 0.3529, 0.3503



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.



45.1795, 0.4709, 0.3881



38.4967, 0.5144, 0.3919



80.6458, 0.4133, 0.4595



19.0963, 0.3285, 0.3379



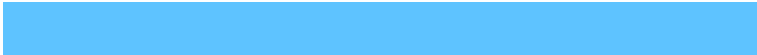
15.6530, 0.5776, 0.3796



1.7253, 0.5562, 0.3966

Inverse Universe

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



48.6153, 0.2190, 0.2525



41.9837, 0.2053, 0.2337



21.9610, 0.1947, 0.1483



19.2765, 0.2979, 0.3199



17.1945, 0.1894, 0.2017



1.8839, 0.1938, 0.2178

Previews

White Background



This preview shows how the Yxy color 45.1794, 0.4709, 0.3881 looks on a white background.

Color Contrast Check

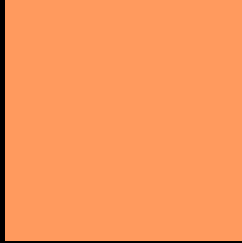
Large Text (above 18pt) WCAG AA × Fail

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 45.1794, 0.4709, 0.3881 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 45.1794, 0.4709, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 45.1794, 0.4709, 0.3881.



This preview shows how white text looks on a background with the Yxy color 45.1794, 0.4709, 0.3881.

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

45.1794, 0.4709, 0.3881

Protanopia

45.4921, 0.3917, 0.4264

Deuteranopia

45.2362, 0.4303, 0.4211



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.1794, 0.4709, 0.3881

Protanomaly

44.9513, 0.4198, 0.4122

Deuteranomaly

44.9892, 0.4452, 0.4092

Tritanomaly

45.1425, 0.4344, 0.3460

Monochromacy



Original Color

45.1794, 0.4709, 0.3881

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.4617, 0.3666, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1794, 0.4709, 0.3881 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 94) }
```

Border

The CSS property to change the border of an element to Yxy 45.1794, 0.4709, 0.3881 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, 94) }
```

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

```
.border{ border-color:rgb(255, 154, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1794, 0.4709, 0.3881 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, 94) }
```

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

```
.background{ background-color: rgb(255,  
154, 94) }
```

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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