

Converting Colors

Yxy(45.0698, 0.4824, 0.4007)

Have a look what the booklet for
Yxy(45.0698, 0.4824, 0.4007)
contains.

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Color

Yxy(44.9357, 0.4825, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A4F
RGB	255, 154, 79
RGB Percent	100%, 60%, 31%
CMY	0.0000, 0.3961, 0.6902
CMYK	0.00, 0.40, 0.69, 0.00
HSL	26°, 100%, 65%
HSV	26°, 69%, 100%
XYZ	54.2172, 44.9357, 13.2144
YIQ	175.6490, 84.2710, -1.9130

Conversions

Conversions Part 2

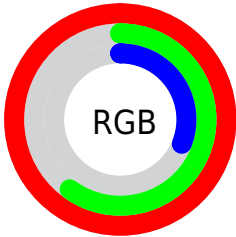
Format	Color
R_{YB}	255, 210, 79
Decimal	16751183
CIE _{Lab}	72.85, 31.70, 54.17
CIE _{LCh}	73, 62.761, 59.665
Yxy	44.9357, 0.4825, 0.3999
Android (android.graphics.Color)	4294941263 (0xFFFF9A4F)
YUV	175.6490, -47.6480, 69.5908
Hunter-Lab	67.0341, 27.0613, 35.2361

Details

The Yxy color **44.9357, 0.4825, 0.3999** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **41.5348, 0.2092, 0.2310**, and the grayscale version is **43.4387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4996, 0.4062, 0.4084**, and **20.9193, 0.5230, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **40.0883, 0.5131, 0.4019**, and if you desaturate by 10%, it is **50.5054, 0.4511, 0.3936**.

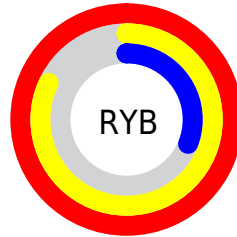
Distribution



Red (100%)

Green (60%)

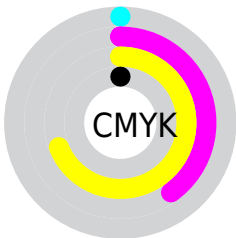
Blue (31%)



Red (100%)

Yellow (82%)

Blue (31%)

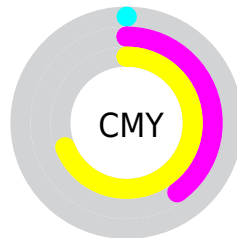


Cyan (0%)

Magenta (40%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9357, 0.4825, 0.3999 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 44.9357, 0.4825, 0.3999 by changing the saturation by 10% instead.


 44.9357, 0.4825,
0.3999

 44.9357, 0.4825,
0.3999


366.5131, 0.3998,
0.3728

 31.4068, 0.5010,
0.4034


 82.6239, 0.4538,
0.3924

 20.9088, 0.5231,
0.4059


 107.5520, 0.4426,
0.3889


 13.0574, 0.5493,
0.4059


 137.0486, 0.4329,
0.3856

 7.4681, 0.5859,
0.4047

 171.4981, 0.4245,
0.3826

 3.7565, 0.6152,
0.3848

 211.2849, 0.4172,
0.3798

 1.5383, 0.6526,
0.3474

256.7934, 0.4107,

 0.3155, 0.7764,

0.3772

0.2236

308.4080, 0.4050,
0.3749

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

44.9357, 0.4825,
0.3999

44.9357, 0.4825,
0.3999

40.0883, 0.5131,
0.4019

50.5054, 0.4511,
0.3936

35.9385, 0.5407,
0.3986

56.8456, 0.4209,
0.3843

32.4339, 0.5634,
0.3901

63.9838, 0.3931,
0.3733

32.1198, 0.5655,
0.3892

71.9496, 0.3682,
0.3616

80.7709, 0.3464,
0.3499

90.4743, 0.3275,
0.3386

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.



44.9357, 0.4773, 0.3368



44.9357, 0.4825, 0.3999



44.9357, 0.4378, 0.4593

Triad

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



44.9357, 0.4825, 0.3999



44.9357, 0.2107, 0.3793



44.9357, 0.2443, 0.2034

Complementary

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



44.9357, 0.4825, 0.3999



41.5348, 0.2092, 0.2310

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.



44.9357, 0.1896, 0.2001



44.9357, 0.4825, 0.3999



44.9357, 0.1716, 0.2862

Square

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



44.9357, 0.4825, 0.3999



44.9357, 0.2805, 0.4663



44.9357, 0.1654, 0.2255



44.9357, 0.3266, 0.2311

Rectangle

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



44.9357, 0.4825, 0.3999



44.9357, 0.3903, 0.4869



44.9357, 0.1654, 0.2255



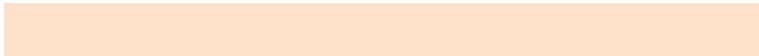
44.9357, 0.2227, 0.1994

Sweetspot

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



44.9311, 0.4825, 0.3999



78.9514, 0.3505, 0.3522



30.2171, 0.4040, 0.2328



16.3691, 0.3564, 0.3555



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.



44.9311, 0.4825, 0.3999



38.3543, 0.5246, 0.4013



84.3417, 0.4151, 0.4737



19.2593, 0.3284, 0.3392



17.0648, 0.5626, 0.3915



1.8728, 0.5425, 0.4074

Inverse Universe

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



41.5348, 0.2092, 0.2310



34.5909, 0.1949, 0.2076



16.8304, 0.1822, 0.1214



19.1091, 0.2979, 0.3186



14.8755, 0.1841, 0.1828



1.6651, 0.1892, 0.2010

Previews

White Background



This preview shows how the Yxy color 44.9357, 0.4825, 0.3999 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 44.9357, 0.4825, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

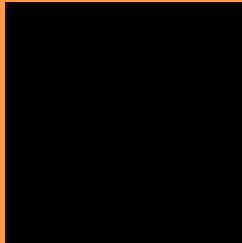
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9357, 0.4825, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 44.9357, 0.4825, 0.3999.



This preview shows how white text looks on a background with the Yxy color 44.9357, 0.4825, 0.3999.

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

44.9357, 0.4825, 0.3999

Protanopia

44.9341, 0.4049, 0.4423

Deuteranopia

44.9454, 0.4434, 0.4325



Tritanopia

44.9084, 0.4117, 0.3188

Trichromacy



Original Color

44.9357, 0.4825, 0.3999

Protanomaly

44.4496, 0.4336, 0.4265

Deuteranomaly

44.7349, 0.4587, 0.4201

Tritanomaly

44.6577, 0.4411, 0.3511

Monochromacy



Original Color

44.9357, 0.4825, 0.3999

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.9075, 0.3726, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9357, 0.4825, 0.3999 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 79) }
```

Border

The CSS property to change the border of an element to Yxy 44.9357, 0.4825, 0.3999 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, 79) }
```

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

```
.border{ border-color:rgb(255, 154, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9357, 0.4825, 0.3999 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
154, 79) }
```

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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