

Converting Colors

$Y_{xy}(46.4955, 0.4839, 0.3954)$

Have a look what the booklet for
Yxy(46.4955, 0.4839, 0.3954)
contains.

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Color

Yxy(45.3272, 0.4787, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B53
RGB	255, 155, 83
RGB Percent	100%, 61%, 33%
CMY	0.0000, 0.3922, 0.6745
CMYK	0.00, 0.39, 0.67, 0.00
HSL	25°, 100%, 66%
HSV	25°, 67%, 100%
XYZ	54.5316, 45.3272, 14.0572
YIQ	176.6920, 82.7120, -1.1920

Conversions

Conversions Part 2

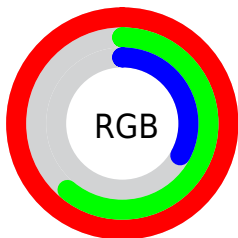
Format	Color
R _Y B	255, 207, 83
Decimal	16751443
CIE Lab	73.11, 31.39, 52.55
CIE LCh	73, 61.211, 59.149
Yxy	45.3272, 0.4787, 0.3979
Android (android.graphics.Color)	4294941523 (0xFFFF9B53)
YUV	176.6920, -46.1902, 68.6761
Hunter-Lab	67.3255, 26.7601, 34.7484

Details

The Yxy color **45.3272, 0.4787, 0.3979** 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 **42.9288, 0.2114, 0.2354**, and the grayscale version is **44.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1025, 0.4029, 0.4055**, and **21.1422, 0.5186, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **40.3638, 0.5100, 0.4005**, and if you desaturate by 10%, it is **51.0336, 0.4470, 0.3912**.

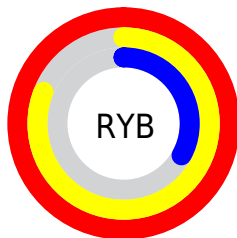
Distribution



Red (100%)

Green (61%)

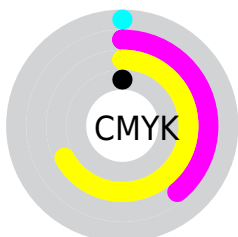
Blue (33%)



Red (100%)

Yellow (81%)

Blue (33%)

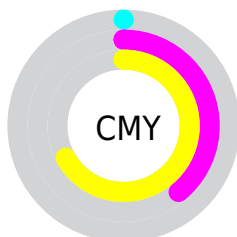


Cyan (0%)

Magenta (39%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3272, 0.4787, 0.3979 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 45.3272, 0.4787, 0.3979 by changing the saturation by 10% instead.


 45.3272, 0.4787,
0.3979


 45.3272, 0.4787,
0.3979


368.0971, 0.3977,
0.3713

 31.7152, 0.4970,
0.4015


 83.2112, 0.4505,
0.3904

 21.1441, 0.5189,
0.4042


 108.2520, 0.4395,
0.3870

 13.2294, 0.5452,
0.4048


 137.8712, 0.4300,
0.3837

 7.5867, 0.5801,
0.4031

 172.4532, 0.4218,
0.3808

 3.8316, 0.6134,
0.3866

 212.3824, 0.4146,
0.3781

 1.5798, 0.6500,
0.3500

258.0432, 0.4083,

 0.3439, 0.7649,

0.3756

0.2351

309.8200, 0.4027,
0.3733

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.3272, 0.4787,
0.3979

45.3272, 0.4787,
0.3979

40.3638, 0.5100,
0.4005

51.0336, 0.4470,
0.3912

36.1164, 0.5386,
0.3980

57.5296, 0.4169,
0.3818

32.5360, 0.5622,
0.3899

64.8436, 0.3893,
0.3708

31.7193, 0.5677,
0.3875

73.0058, 0.3647,
0.3593

82.0447, 0.3433,
0.3478

91.9872, 0.3248,
0.3368

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.



45.3272, 0.4723, 0.3361



45.3272, 0.4787, 0.3979



45.3272, 0.4362, 0.4557

Triad

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



45.3272, 0.4787, 0.3979



45.3272, 0.2143, 0.3796



45.3272, 0.2449, 0.2059

Complementary

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



45.3272, 0.4787, 0.3979



42.9288, 0.2114, 0.2354

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.



45.3272, 0.1918, 0.2032



45.3272, 0.4787, 0.3979



45.3272, 0.1752, 0.2890

Square

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



45.3272, 0.4787, 0.3979



45.3272, 0.2830, 0.4630



45.3272, 0.1685, 0.2289



45.3272, 0.3249, 0.2327

Rectangle

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



45.3272, 0.4787, 0.3979



45.3272, 0.3903, 0.4824



45.3272, 0.1685, 0.2289



45.3272, 0.2239, 0.2022

Sweetspot

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



45.3233, 0.4787, 0.3979



79.6574, 0.3485, 0.3507



30.8786, 0.4010, 0.2340



16.5006, 0.3544, 0.3539



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.



45.3233, 0.4787, 0.3979



38.7777, 0.5206, 0.4003



84.5977, 0.4135, 0.4717



19.2363, 0.3284, 0.3390



16.8532, 0.5648, 0.3898



1.8510, 0.5444, 0.4059

Inverse Universe

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



42.9288, 0.2114, 0.2354



36.0675, 0.1973, 0.2131



17.6692, 0.1848, 0.1260



19.1325, 0.2979, 0.3188



15.1856, 0.1849, 0.1854



1.6947, 0.1898, 0.2034

Previews

White Background



This preview shows how the Yxy color 45.3272, 0.4787, 0.3979 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 45.3272, 0.4787, 0.3979 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 45.3272, 0.4787, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 45.3272, 0.4787, 0.3979.



This preview shows how white text looks on a background with the Yxy color 45.3272, 0.4787, 0.3979.

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

45.3272, 0.4787, 0.3979

Protanopia

45.5400, 0.4024, 0.4388

Deuteranopia

45.3783, 0.4399, 0.4302



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3272, 0.4787, 0.3979

Protanomaly

44.8905, 0.4299, 0.4238

Deuteranomaly

45.1516, 0.4551, 0.4180

Tritanomaly

45.0319, 0.4385, 0.3501

Monochromacy



Original Color

45.3272, 0.4787, 0.3979

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3382, 0.3704, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3272, 0.4787, 0.3979 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, 155, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 83)  
}
```

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, 155, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 83) }
```

Border

The CSS property to change the border of an element to Yxy 45.3272, 0.4787, 0.3979 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, 155, 83) }
```

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

```
.border{ border-color:rgb(255, 155, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3272, 0.4787, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 83) }
```

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

```
.background{ background-color: rgb(255,  
155, 83) }
```

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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