

Converting Colors

Yxy(47.4889, 0.4818, 0.4144)

Have a look what the booklet for
Yxy(47.4889, 0.4818, 0.4144)
contains.

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Color

Yxy(47.5303, 0.4817, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	FFA245
RGB	255, 162, 69
RGB Percent	100%, 64%, 27%
CMY	0.0000, 0.3647, 0.7292
CMYK	0.00, 0.36, 0.73, 0.00
HSL	30°, 100%, 64%
HSV	30°, 73%, 100%
XYZ	55.2361, 47.5303, 11.9026
YIQ	179.2050, 85.2810, -9.2070

Conversions

Conversions Part 2

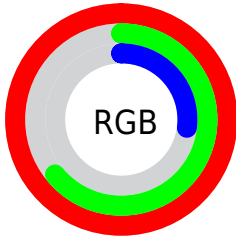
Format	Color
RYB	255, 255, 69
Decimal	16753221
CIELab	74.53, 27.05, 60.45
CIELCh	75, 66.227, 65.897
Yxy	47.5303, 0.4817, 0.4145
Android (android.graphics.Color)	4294943301 (0xFFFFA245)
YUV	179.2050, -54.3311, 66.4722
Hunter-Lab	68.9422, 22.3641, 38.0233

Details

The Yxy color **47.5303, 0.4817, 0.4145** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **34.3476, 0.1999, 0.2054**, and the grayscale version is **45.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2908, 0.4079, 0.4239**, and **22.5068, 0.5187, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **43.0130, 0.5077, 0.4161**, and if you desaturate by 10%, it is **52.6441, 0.4540, 0.4081**.

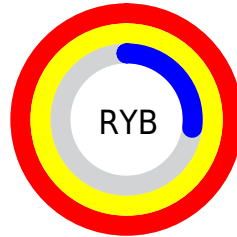
Distribution



Red (100%)

Green (64%)

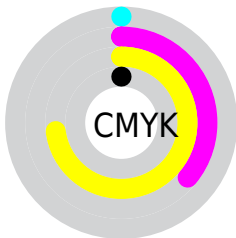
Blue (27%)



Red (100%)

Yellow (100%)

Blue (27%)

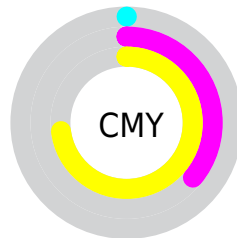


Cyan (0%)

Magenta (36%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5303, 0.4817, 0.4145 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 47.5303, 0.4817, 0.4145 by changing the saturation by 10% instead.


 47.5303, 0.4817,
0.4145


 47.5303, 0.4817,
0.4145


376.9273, 0.4015,
0.3813

 33.4551, 0.4988,
0.4190


 86.5047, 0.4545,
0.4051


 22.4753, 0.5188,
0.4227


 112.1726, 0.4436,
0.4008


 14.2066, 0.5417,
0.4239


 142.4735, 0.4342,
0.3968

 8.2645, 0.5745,
0.4255

 177.7919, 0.4260,
0.3931

 4.2646, 0.5941,
0.4059

 218.5120, 0.4187,
0.3897

 1.8227, 0.6248,
0.3752

265.0184, 0.4123,

 0.5012, 0.7005,

0.3867

0.2995

317.6954, 0.4066,
0.3839

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.5303, 0.4817,
0.4145

47.5303, 0.4817,
0.4145

43.0130, 0.5077,
0.4161

52.6441, 0.4540,
0.4081


39.0527, 0.5301,
0.4122


58.3757, 0.4263,
0.3981


36.5591, 0.5436,
0.4065

64.7531, 0.3998,
0.3858

71.8004, 0.3755,
0.3724

 79.5399, 0.3536,
0.3587

 87.9927, 0.3342,
0.3453

 97.1788, 0.3172,
0.3326

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



47.5303, 0.4890, 0.3496



47.5303, 0.4817, 0.4145



47.5303, 0.4269, 0.4735

Triad

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



47.5303, 0.4817, 0.4145



47.5303, 0.1961, 0.3593



47.5303, 0.2576, 0.2039

Complementary

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



47.5303, 0.4817, 0.4145



34.3476, 0.1999, 0.2054

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.



47.5303, 0.1951, 0.1948



47.5303, 0.4817, 0.4145



47.5303, 0.1635, 0.2681

Square

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



47.5303, 0.4817, 0.4145



47.5303, 0.2621, 0.4569



47.5303, 0.1639, 0.2140



47.5303, 0.3467, 0.2368

Rectangle

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



47.5303, 0.4817, 0.4145



47.5303, 0.3750, 0.4971



47.5303, 0.1639, 0.2140



47.5303, 0.2332, 0.1980

Sweetspot

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



47.5327, 0.4817, 0.4145



80.2855, 0.3517, 0.3575



28.2450, 0.4293, 0.2416



16.7165, 0.3573, 0.3612



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.



47.5327, 0.4817, 0.4145



40.9326, 0.5196, 0.4148



91.2488, 0.4111, 0.4866



19.4873, 0.3282, 0.3409



19.4016, 0.5411, 0.4086



2.1075, 0.5235, 0.4225

Inverse Universe

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



34.3476, 0.1999, 0.2054



27.0992, 0.1846, 0.1762



13.1428, 0.1731, 0.0996



18.8789, 0.2979, 0.3168



12.0748, 0.1771, 0.1574



1.3941, 0.1828, 0.1780

Previews

White Background



This preview shows how the Yxy color 47.5303, 0.4817, 0.4145 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 47.5303, 0.4817, 0.4145 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 47.5303, 0.4817, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 47.5303, 0.4817, 0.4145.



This preview shows how white text looks on a background with the Yxy color 47.5303, 0.4817, 0.4145.

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

47.5303, 0.4817, 0.4145

Protanopia

47.7681, 0.4154, 0.4552

Deuteranopia

47.6996, 0.4502, 0.4419



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.5303, 0.4817, 0.4145

Protanomaly

47.2197, 0.4395, 0.4400

Deuteranomaly

47.3199, 0.4620, 0.4319

Tritanomaly

47.3254, 0.4354, 0.3584

Monochromacy



Original Color

47.5303, 0.4817, 0.4145

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0166, 0.3744, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5303, 0.4817, 0.4145 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, 162, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 69)  
}
```

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, 162, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 69) }
```

Border

The CSS property to change the border of an element to Yxy 47.5303, 0.4817, 0.4145 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, 162, 69) }
```

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

```
.border{ border-color:rgb(255, 162, 69) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5303, 0.4817, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 69) }
```

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

```
.background{ background-color: rgb(255,  
162, 69) }
```

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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