

Converting Colors

$Y_{xy}(47.5138, 0.4592, 0.3876)$

Have a look what the booklet for
Yxy(47.5138, 0.4592, 0.3876)
contains.

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Color

Yxy(47.3609, 0.4595, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	FFA066
RGB	255, 160, 102
RGB Percent	100%, 63%, 40%
CMY	0.0001, 0.3725, 0.6000
CMYK	0.00, 0.37, 0.60, 0.00
HSL	23°, 100%, 70%
HSV	23°, 60%, 100%
XYZ	56.2044, 47.3609, 18.7511
YIQ	181.7930, 75.2380, 2.1020

Conversions

Conversions Part 2

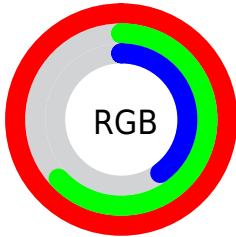
Format	Color
R_{YB}	255, 195, 102
Decimal	16752742
CIE Lab	74.42, 29.93, 44.62
CIE LCh	74, 53.735, 56.146
Yxy	47.3609, 0.4595, 0.3872
Android (android.graphics.Color)	4294942822 (0xFFFFA066)
YUV	181.7930, -39.3379, 64.2025
Hunter-Lab	68.8193, 25.3464, 32.0188

Details

The Yxy color **47.3609, 0.4595, 0.3872** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.9639, 0.2226, 0.2557**, and the grayscale version is **46.8500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1940, 0.3872, 0.3917**, and **22.4515, 0.4964, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **41.7888, 0.4932, 0.3921**, and if you desaturate by 10%, it is **53.7922, 0.4272, 0.3793**.

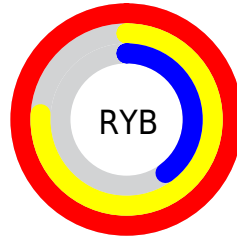
Distribution



Red (100%)

Green (63%)

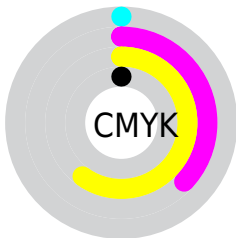
Blue (40%)



Red (100%)

Yellow (76%)

Blue (40%)

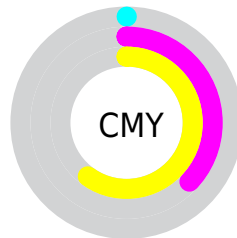


Cyan (0%)

Magenta (37%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3609, 0.4595, 0.3872 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 47.3609, 0.4595, 0.3872 by changing the saturation by 10% instead.

 47.3609, 0.4595,
0.3872

 47.3609, 0.4595,
0.3872


376.2533, 0.3873,
0.3638


 33.3211, 0.4763,
0.3909

 86.2521, 0.4340,
0.3802

 22.3725, 0.4970,
0.3944


 111.8722, 0.4241,
0.3772

 14.1309, 0.5226,
0.3967


 142.1212, 0.4157,
0.3744

 8.2117, 0.5543,
0.3960

 177.3835, 0.4085,
0.3718

 4.2307, 0.6046,
0.3954

218.0434, 0.4021,
0.3695

 1.8035, 0.6379,
0.3621

264.4855, 0.3966,

 0.4893, 0.7183,

0.3674

0.2817

317.0939, 0.3917,
0.3655

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.3609, 0.4595,
0.3872

■ 47.3609, 0.4595,
0.3872

■ 41.7888, 0.4932,
0.3921

■ 53.7922, 0.4272,
0.3793

■ 37.0277, 0.5260,
0.3927

■ 61.1131, 0.3977,
0.3696

■ 33.0345, 0.5552,
0.3880

■ 69.3611, 0.3716,
0.3592

■ 29.7507, 0.5788,
0.3786

■ 78.5694, 0.3489,
0.3487

■ 29.7489, 0.5788,
0.3786

■ 88.7692, 0.3294,
0.3385

99.9903, 0.3127,
0.3290

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



47.3609, 0.4477, 0.3319



47.3609, 0.4595, 0.3872



47.3609, 0.4277, 0.4377

Triad

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



47.3609, 0.4595, 0.3872



47.3609, 0.2323, 0.3810



47.3609, 0.2478, 0.2184

Complementary

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



47.3609, 0.4595, 0.3872



49.9639, 0.2226, 0.2557

Split Complementary

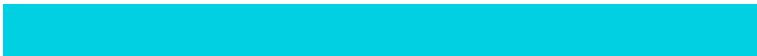
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.3609, 0.2024, 0.2190



47.3609, 0.4595, 0.3872



47.3609, 0.1936, 0.3027

Square

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



47.3609, 0.4595, 0.3872



47.3609, 0.2954, 0.4476



47.3609, 0.1840, 0.2460



47.3609, 0.3163, 0.2404

Rectangle

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



47.3609, 0.4595, 0.3872



47.3609, 0.3893, 0.4606



47.3609, 0.1840, 0.2460



47.3609, 0.2297, 0.2159

Sweetspot

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



47.3633, 0.4595, 0.3872



80.5366, 0.3447, 0.3466



34.8791, 0.3780, 0.2343



16.6306, 0.3508, 0.3496



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.



47.3633, 0.4595, 0.3872



40.7766, 0.4999, 0.3926



81.3952, 0.4090, 0.4546



19.1159, 0.3285, 0.3381



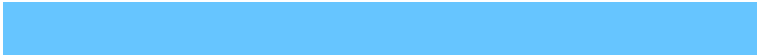
15.8116, 0.5759, 0.3810



1.7421, 0.5546, 0.3979

Inverse Universe

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



49.9639, 0.2226, 0.2557



43.4307, 0.2088, 0.2380



24.0625, 0.2006, 0.1581



19.2562, 0.2979, 0.3198



16.9012, 0.1887, 0.1994



1.8564, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 47.3609, 0.4595, 0.3872 looks on a white background.

Color Contrast Check

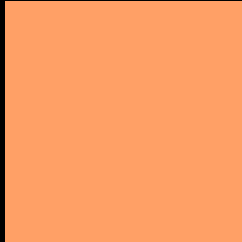
Large Text (above 18pt) WCAG AA × Fail

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 47.3609, 0.4595, 0.3872 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 47.3609, 0.4595, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 47.3609, 0.4595, 0.3872.



This preview shows how white text looks on a background with the Yxy color 47.3609, 0.4595, 0.3872.

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

47.3609, 0.4595, 0.3872

Protanopia

47.8462, 0.3872, 0.4201

Deuteranopia

47.5683, 0.4243, 0.4150



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.3609, 0.4595, 0.3872

Protanomaly

47.1148, 0.4135, 0.4071

Deuteranomaly

47.5024, 0.4371, 0.4050

Tritanomaly

47.3269, 0.4242, 0.3450

Monochromacy



Original Color

47.3609, 0.4595, 0.3872

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1273, 0.3633, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3609, 0.4595, 0.3872 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, 160, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 102)  
}
```

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, 160, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 102) }
```

Border

The CSS property to change the border of an element to Yxy 47.3609, 0.4595, 0.3872 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, 160, 102) }
```

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

```
.border{ border-color:rgb(255, 160, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3609, 0.4595, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 102) }
```

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

```
.background{ background-color: rgb(255,  
160, 102) }
```

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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