

Converting Colors

$Y_{xy}(47.0265, 0.4561, 0.3813)$

Have a look what the booklet for
Yxy(47.0265, 0.4561, 0.3813)
contains.

Yxy(47.1178, 0.4560, 0.3817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.1178, 0.4560, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F6B
RGB	255, 159, 107
RGB Percent	100%, 62%, 42%
CMY	0.0000, 0.3764, 0.5804
CMYK	0.00, 0.38, 0.58, 0.00
HSL	21°, 100%, 71%
HSV	21°, 58%, 100%
XYZ	56.2895, 47.1178, 20.0346
YIQ	181.7760, 73.9080, 4.1800

Conversions

Conversions Part 2

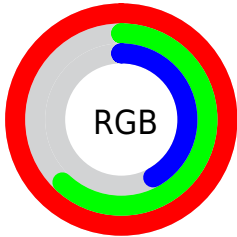
Format	Color
R _Y B	255, 187, 107
Decimal	16752491
CIE Lab	74.27, 30.81, 41.87
CIE LCh	74, 51.990, 53.652
Yxy	47.1178, 0.4560, 0.3817
Android (android.graphics.Color)	4294942571 (0xFFFF9F6B)
YUV	181.7760, -36.8646, 64.2174
Hunter-Lab	68.6424, 26.2530, 30.7447

Details

The Yxy color **47.1178, 0.4560, 0.3817** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.0428, 0.2262, 0.2640**, and the grayscale version is **46.8263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8563, 0.3840, 0.3857**, and **22.2902, 0.4927, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **41.3478, 0.4908, 0.3867**, and if you desaturate by 10%, it is **53.8117, 0.4231, 0.3740**.

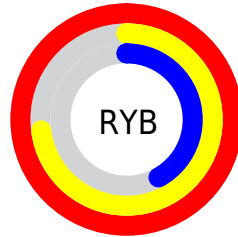
Distribution



Red (100%)

Green (62%)

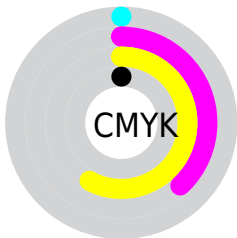
Blue (42%)



Red (100%)

Yellow (73%)

Blue (42%)

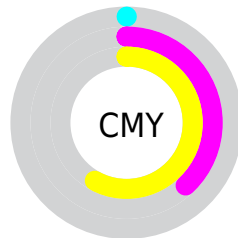


Cyan (0%)

Magenta (38%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1178, 0.4560, 0.3817 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 47.1178, 0.4560, 0.3817 by changing the saturation by 10% instead.


 47.1178, 0.4560,
0.3817


 47.1178, 0.4560,
0.3817


375.2845, 0.3851,
0.3606


 33.1288, 0.4727,
0.3850


 85.8894, 0.4308,
0.3754


 22.2251, 0.4934,
0.3882


 111.4408, 0.4212,
0.3726

 14.0224, 0.5193,
0.3903


 141.6152, 0.4129,
0.3701

 8.1363, 0.5518,
0.3896

 176.7968, 0.4058,
0.3678

 4.1823, 0.6081,
0.3919

217.3702, 0.3996,
0.3657

 1.7760, 0.6423,
0.3577

263.7197, 0.3942,

 0.4722, 0.7265,

0.3638

0.2735

316.2297, 0.3894,
0.3621

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.1178, 0.4560,
0.3817

47.1178, 0.4560,
0.3817

41.3478, 0.4908,
0.3867

53.8117, 0.4231,
0.3740

36.4501, 0.5254,
0.3877

61.4633, 0.3934,
0.3649

32.3781, 0.5567,
0.3836

70.1130, 0.3674,
0.3551

29.0747, 0.5819,
0.3746

79.7971, 0.3450,
0.3454

■ 28.5082, 0.5864,
0.3726

■ 90.5494, 0.3259,
0.3361

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



47.1178, 0.4405, 0.3278



47.1178, 0.4560, 0.3817



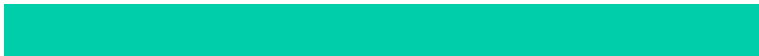
47.1178, 0.4285, 0.4315

Triad

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



47.1178, 0.4560, 0.3817



47.1178, 0.2391, 0.3857



47.1178, 0.2450, 0.2204

Complementary

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



47.1178, 0.4560, 0.3817



53.0428, 0.2262, 0.2640

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.



47.1178, 0.2028, 0.2231



47.1178, 0.4560, 0.3817



47.1178, 0.1989, 0.3096

Square

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



47.1178, 0.4560, 0.3817



47.1178, 0.3019, 0.4470



47.1178, 0.1870, 0.2520



47.1178, 0.3102, 0.2402

Rectangle

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



47.1178, 0.4560, 0.3817



47.1178, 0.3927, 0.4548



47.1178, 0.1870, 0.2520



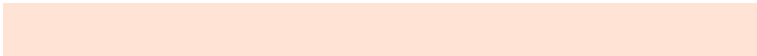
47.1178, 0.2281, 0.2186

Sweetspot

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



47.1202, 0.4560, 0.3817



80.8723, 0.3429, 0.3444



36.0928, 0.3722, 0.2344



16.8706, 0.3471, 0.3463



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.



47.1202, 0.4560, 0.3817



40.3240, 0.4977, 0.3872



80.4800, 0.4076, 0.4495



19.0314, 0.3286, 0.3374



15.1497, 0.5834, 0.3750



1.6711, 0.5616, 0.3922

Inverse Universe

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



53.0428, 0.2262, 0.2640



46.5901, 0.2126, 0.2477



26.0955, 0.2050, 0.1672



19.3438, 0.2980, 0.3204



18.1947, 0.1915, 0.2094



1.9770, 0.1957, 0.2246

Previews

White Background



This preview shows how the Yxy color 47.1178, 0.4560, 0.3817 looks on a white background.

Color Contrast Check

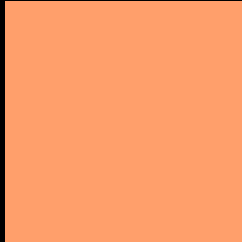
Large Text (above 18pt) WCAG AA × Fail

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 47.1178, 0.4560, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

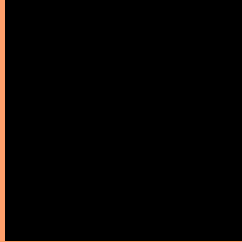
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1178, 0.4560, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 47.1178, 0.4560, 0.3817.



This preview shows how white text looks on a background with the Yxy color 47.1178, 0.4560, 0.3817.

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

47.1178, 0.4560, 0.3817

Protanopia

47.2700, 0.3819, 0.4137

Deuteranopia

47.3474, 0.4186, 0.4106



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

47.1178, 0.4560, 0.3817

Protanomaly

46.5244, 0.4081, 0.4012

Deuteranomaly

47.0580, 0.4329, 0.3994

Tritanomaly

47.0201, 0.4237, 0.3429

Monochromacy



Original Color

47.1178, 0.4560, 0.3817

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1940, 0.3615, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1178, 0.4560, 0.3817 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, 159, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 107)  
}
```

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, 159, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 107) }
```

Border

The CSS property to change the border of an element to Yxy 47.1178, 0.4560, 0.3817 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, 159, 107) }
```

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

```
.border{ border-color:rgb(255, 159, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1178, 0.4560, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 107) }
```

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

```
.background{ background-color: rgb(255,  
159, 107) }
```

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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