

Converting Colors

$Y_{xy}(46.8138, 0.4566, 0.3807)$

Have a look what the booklet for
Yxy(46.8138, 0.4566, 0.3807)
contains.

Yxy(46.7753, 0.4567, 0.3807)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7753, 0.4567, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E6B
RGB	255, 158, 107
RGB Percent	100%, 62%, 42%
CMY	0.0001, 0.3803, 0.5804
CMYK	0.00, 0.38, 0.58, 0.00
HSL	21°, 100%, 71%
HSV	21°, 58%, 100%
XYZ	56.1132, 46.7753, 19.9781
YIQ	181.1890, 74.1830, 4.7030

Conversions

Conversions Part 2

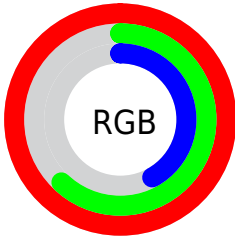
Format	Color
R _Y B	255, 185, 107
Decimal	16752235
CIE Lab	74.05, 31.32, 41.60
CIE LCh	74, 52.075, 53.027
Yxy	46.7753, 0.4567, 0.3807
Android (android.graphics.Color)	4294942315 (0xFFFF9E6B)
YUV	181.1890, -36.5752, 64.7322
Hunter-Lab	68.3925, 26.7650, 30.5555

Details

The Yxy color **46.7753, 0.4567, 0.3807** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.5018, 0.2265, 0.2653**, and the grayscale version is **46.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3517, 0.3844, 0.3847**, and **22.0829, 0.4939, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **41.0001, 0.4919, 0.3855**, and if you desaturate by 10%, it is **53.4881, 0.4236, 0.3732**.

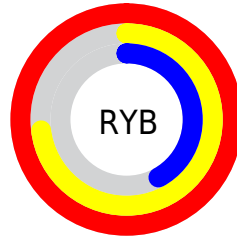
Distribution



Red (100%)

Green (62%)

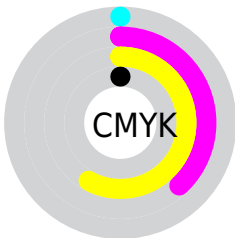
Blue (42%)



Red (100%)

Yellow (73%)

Blue (42%)

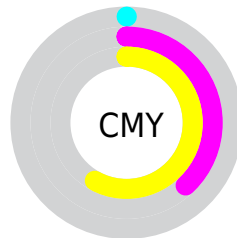


Cyan (0%)

Magenta (38%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7753, 0.4567, 0.3807 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 46.7753, 0.4567, 0.3807 by changing the saturation by 10% instead.


 46.7753, 0.4567,
0.3807


 46.7753, 0.4567,
0.3807


373.9169, 0.3854,
0.3601


 32.8581, 0.4736,
0.3839


 85.3781, 0.4313,
0.3746


 22.0177, 0.4945,
0.3869


 110.8325, 0.4216,
0.3719

 13.8699, 0.5206,
0.3888

 140.9013, 0.4133,
0.3694

 8.0303, 0.5536,
0.3878

 175.9691, 0.4062,
0.3672

 4.1143, 0.6105,
0.3895

216.4201, 0.3999,
0.3651

 1.7377, 0.6454,
0.3546

262.6389, 0.3945,

 0.4479, 0.7347,

0.3633

0.2653

315.0096, 0.3896,
0.3616

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.7753, 0.4567,
0.3807

46.7753, 0.4567,
0.3807

41.0001, 0.4919,
0.3855

53.4881, 0.4236,
0.3732

36.1099, 0.5268,
0.3864

61.1733, 0.3937,
0.3642

32.0571, 0.5583,
0.3823

69.8723, 0.3676,
0.3546

28.7830, 0.5837,
0.3732

79.6220, 0.3451,
0.3451

■ 28.2224, 0.5881,
0.3712

■ 90.4572, 0.3260,
0.3359

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



46.7753, 0.4402, 0.3266



46.7753, 0.4567, 0.3807



46.7753, 0.4299, 0.4309

Triad

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



46.7753, 0.4567, 0.3807



46.7753, 0.2399, 0.3876



46.7753, 0.2436, 0.2198

Complementary

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



46.7753, 0.4567, 0.3807



53.5018, 0.2265, 0.2653

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.



46.7753, 0.2018, 0.2230



46.7753, 0.4567, 0.3807



46.7753, 0.1990, 0.3109

Square

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



46.7753, 0.4567, 0.3807



46.7753, 0.3033, 0.4484



46.7753, 0.1866, 0.2526



46.7753, 0.3086, 0.2392

Rectangle

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



46.7753, 0.4567, 0.3807



46.7753, 0.3942, 0.4547



46.7753, 0.1866, 0.2526



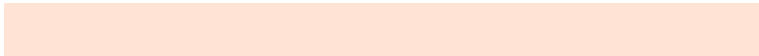
46.7753, 0.2268, 0.2182

Sweetspot

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



46.7777, 0.4567, 0.3807



80.7149, 0.3430, 0.3441



36.2076, 0.3693, 0.2322



16.8337, 0.3471, 0.3460



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.



46.7777, 0.4567, 0.3807



39.9816, 0.4988, 0.3861



79.0825, 0.4090, 0.4475



19.0112, 0.3286, 0.3373



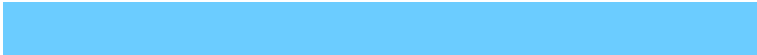
14.9996, 0.5851, 0.3736



1.6548, 0.5633, 0.3909

Inverse Universe

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



53.5018, 0.2265, 0.2653



47.1140, 0.2130, 0.2494



26.7527, 0.2057, 0.1703



19.3648, 0.2980, 0.3206



18.5154, 0.1922, 0.2117



2.0067, 0.1963, 0.2267

Previews

White Background



This preview shows how the Yxy color 46.7753, 0.4567, 0.3807 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 46.7753, 0.4567, 0.3807 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 46.7753, 0.4567, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 46.7753, 0.4567, 0.3807.



This preview shows how white text looks on a background with the Yxy color 46.7753, 0.4567, 0.3807.

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

46.7753, 0.4567, 0.3807

Protanopia

46.8590, 0.3824, 0.4126

Deuteranopia

46.8012, 0.4183, 0.4099



Tritanopia

46.7228, 0.4034, 0.3177

Trichromacy



Original Color

46.7753, 0.4567, 0.3807

Protanomaly

46.1395, 0.4088, 0.4001

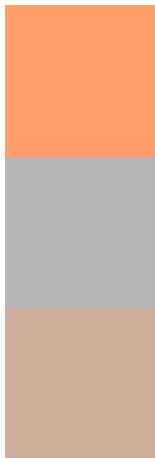
Deuteranomaly

46.5176, 0.4327, 0.3987

Tritanomaly

46.6859, 0.4242, 0.3419

Monochromacy



Original Color

46.7753, 0.4567, 0.3807

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.6301, 0.3618, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7753, 0.4567, 0.3807 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, 158, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.7753, 0.4567, 0.3807 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, 158, 107) }
```

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

```
.border{ border-color:rgb(255, 158, 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, 158, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7753, 0.4567, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 107) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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