

Converting Colors

$Y_{xy}(100.0000, 0.5784, 0.3399)$

Have a look what the booklet for
Yxy(100.0000, 0.5784, 0.3399)
contains.

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Color

Yxy(39.3508, 0.4752, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	FF866A
RGB	255, 134, 106
RGB Percent	100%, 53%, 42%
CMY	0.0000, 0.4745, 0.5842
CMYK	0.00, 0.47, 0.58, 0.00
HSL	11°, 100%, 71%
HSV	11°, 58%, 100%
XYZ	52.3649, 39.3508, 18.4798
YIQ	166.9870, 81.1040, 16.9440

Conversions

Conversions Part 2

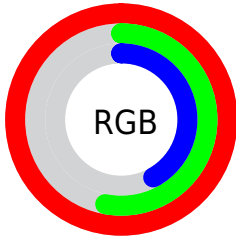
Format	Color
R _Y B	255, 140, 106
Decimal	16746090
CIE Lab	69.00, 43.49, 35.83
CIE LCh	69, 56.350, 39.479
Yxy	39.3508, 0.4752, 0.3571
Android (android.graphics.Color)	4294936170 (0xFFFF866A)
YUV	166.9870, -30.0666, 77.1874
Hunter-Lab	62.7302, 39.2274, 26.4448

Details

The Yxy color **39.3508, 0.4752, 0.3571** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.2280, 0.2327, 0.2949**, and the grayscale version is **38.7598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1238, 0.3947, 0.3617**, and **17.5278, 0.5217, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **33.7231, 0.5175, 0.3587**, and if you desaturate by 10%, it is **46.2612, 0.4358, 0.3534**.

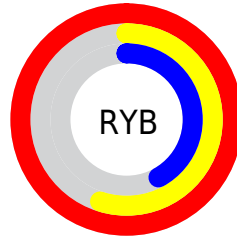
Distribution



Red (100%)

Green (53%)

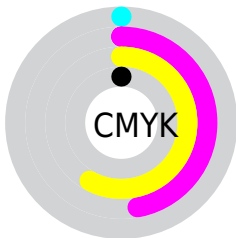
Blue (42%)



Red (100%)

Yellow (55%)

Blue (42%)

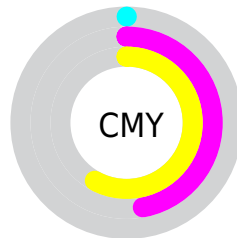


Cyan (0%)

Magenta (47%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3508, 0.4752, 0.3571 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 39.3508, 0.4752, 0.3571 by changing the saturation by 10% instead.


 39.3508, 0.4752,
0.3571


 39.3508, 0.4752,
0.3571


343.3796, 0.3919,
0.3485


 27.0327, 0.4958,
0.3572


 74.1739, 0.4449,
0.3554

 17.5978, 0.5218,
0.3561


 97.4478, 0.4335,
0.3543

 10.6616, 0.5552,
0.3524


 125.1423, 0.4238,
0.3533

 5.8398, 0.5985,
0.3432

 157.6420, 0.4156,
0.3522

 2.7479, 0.6702,
0.3298

195.3312, 0.4084,
0.3512

 1.0016, 0.7244,
0.2756

238.5942, 0.4022,

 0.0000, 1.0000,

0.3502

0.0000

287.8156, 0.3967,
0.3493

0.0000, 0.0000,
0.0000

39.3508, 0.4752,
0.3571

39.3508, 0.4752,
0.3571

33.7231, 0.5175,
0.3587

46.2612, 0.4358,
0.3534

29.2917, 0.5589,
0.3574

54.5212, 0.4012,
0.3486

25.9692, 0.5944,
0.3526

64.2002, 0.3717,
0.3434

23.6498, 0.6193,
0.3450

75.3613, 0.3472,
0.3381

23.3633, 0.6225,
0.3439

88.0633, 0.3270,
0.3330

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



39.3508, 0.4338, 0.2988



39.3508, 0.4752, 0.3571



39.3508, 0.4640, 0.4170

Triad

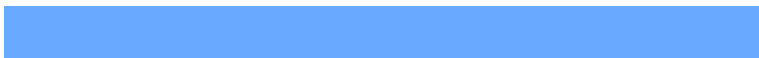
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.3508, 0.4752, 0.3571



39.3508, 0.2590, 0.4345



39.3508, 0.2099, 0.2049

Complementary

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



39.3508, 0.4752, 0.3571



65.2280, 0.2327, 0.2949

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.



39.3508, 0.1771, 0.2201



39.3508, 0.4752, 0.3571



39.3508, 0.2008, 0.3461

Square

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



39.3508, 0.4752, 0.3571



39.3508, 0.3361, 0.4815



39.3508, 0.1735, 0.2667



39.3508, 0.2715, 0.2159

Rectangle

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



39.3508, 0.4752, 0.3571



39.3508, 0.4322, 0.4528



39.3508, 0.1735, 0.2667



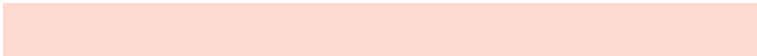
39.3508, 0.1957, 0.2068

Sweetspot

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



39.3529, 0.4752, 0.3571



75.8671, 0.3463, 0.3378



37.1563, 0.3455, 0.2127



15.5060, 0.3529, 0.3394



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.



39.3529, 0.4752, 0.3571



32.9471, 0.5242, 0.3587



67.3226, 0.4231, 0.4293



18.5390, 0.3290, 0.3335



12.3660, 0.6201, 0.3458



1.3440, 0.6001, 0.3617

Inverse Universe

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



65.2280, 0.2327, 0.2949



60.7385, 0.2223, 0.2870



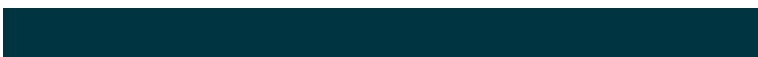
33.1341, 0.2112, 0.1976



19.8671, 0.2980, 0.3244



27.3236, 0.2077, 0.2676



2.8033, 0.2098, 0.2753

Previews

White Background



This preview shows how the Yxy color 39.3508, 0.4752, 0.3571 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 39.3508, 0.4752, 0.3571 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 39.3508, 0.4752, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 39.3508, 0.4752, 0.3571.



This preview shows how white text looks on a background with the Yxy color 39.3508, 0.4752, 0.3571.

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

39.3508, 0.4752, 0.3571

Protanopia

39.6771, 0.3686, 0.3966

Deuteranopia

39.4085, 0.4131, 0.4043



Tritanopia

39.3860, 0.4396, 0.3201

Trichromacy



Original Color

39.3508, 0.4752, 0.3571

Protanomaly

38.5700, 0.4073, 0.3806

Deuteranomaly

38.8005, 0.4362, 0.3851

Tritanomaly

39.3210, 0.4528, 0.3335

Monochromacy



Original Color

39.3508, 0.4752, 0.3571

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.6291, 0.3673, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3508, 0.4752, 0.3571 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, 134, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 106)  
}
```

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, 134, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 106) }
```

Border

The CSS property to change the border of an element to Yxy 39.3508, 0.4752, 0.3571 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, 134, 106) }
```

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

```
.border{ border-color:rgb(255, 134, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3508, 0.4752, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 106) }
```

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

```
.background{ background-color: rgb(255,  
134, 106) }
```

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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