

Converting Colors

$Y_{xy}(59.5021, 0.5284, 0.3469)$

Have a look what the booklet for
Yxy(59.5021, 0.5284, 0.3469)
contains.

Yxy(39.9941, 0.4697, 0.3554)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.9941, 0.4697, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	FF886E
RGB	255, 136, 110
RGB Percent	100%, 53%, 43%
CMY	0.0000, 0.4666, 0.5687
CMYK	0.00, 0.47, 0.57, 0.00
HSL	11°, 100%, 72%
HSV	11°, 57%, 100%
XYZ	52.8566, 39.9941, 19.6820
YIQ	168.6170, 79.2700, 17.1420

Conversions

Conversions Part 2

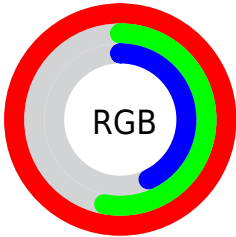
Format	Color
R _Y B	255, 142, 110
Decimal	16746606
CIE Lab	69.47, 42.79, 34.27
CIE LCh	69, 54.820, 38.693
Yxy	39.9941, 0.4697, 0.3554
Android (android.graphics.Color)	4294936686 (0xFFFF886E)
YUV	168.6170, -28.8982, 75.7579
Hunter-Lab	63.2409, 38.5183, 25.8163

Details

The Yxy color **39.9941, 0.4697, 0.3554** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **66.5559, 0.2346, 0.2975**, and the grayscale version is **39.5945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1302, 0.3905, 0.3596**, and **17.8718, 0.5143, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **34.1885, 0.5120, 0.3573**, and if you desaturate by 10%, it is **47.1140, 0.4307, 0.3517**.

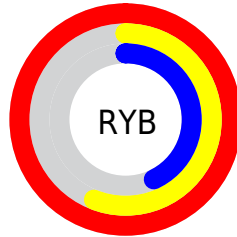
Distribution



Red (100%)

Green (53%)

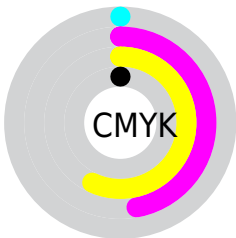
Blue (43%)



Red (100%)

Yellow (56%)

Blue (43%)

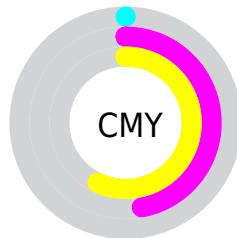


Cyan (0%)

Magenta (47%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9941, 0.4697, 0.3554 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 39.9941, 0.4697, 0.3554 by changing the saturation by 10% instead.


 39.9941, 0.4697,
0.3554


 39.9941, 0.4697,
0.3554


346.0987, 0.3892,
0.3472


 27.5339, 0.4897,
0.3556


 75.1545, 0.4404,
0.3538

 17.9746, 0.5149,
0.3547


 98.6236, 0.4294,
0.3527

 10.9318, 0.5474,
0.3515


 126.5311, 0.4201,
0.3517

 6.0210, 0.5901,
0.3433

 159.2614, 0.4121,
0.3507

 2.8578, 0.6659,
0.3341

197.1989, 0.4052,
0.3497

 1.0580, 0.7184,
0.2816

240.7280, 0.3992,

 0.0000, 1.0000,

0.3488

0.0000

290.2332, 0.3939,
0.3480

0.0000, 0.0000,
0.0000

39.9941, 0.4697,
0.3554

39.9941, 0.4697,
0.3554

34.1885, 0.5120,
0.3573

47.1140, 0.4307,
0.3517

29.6095, 0.5542,
0.3564

55.6161, 0.3966,
0.3470

26.1685, 0.5911,
0.3522

65.5712, 0.3678,
0.3419

23.7610, 0.6175,
0.3451

77.0431, 0.3439,
0.3369

23.1944, 0.6239,
0.3428

90.0921, 0.3242,
0.3321

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



39.9941, 0.4283, 0.2985



39.9941, 0.4697, 0.3554



39.9941, 0.4606, 0.4138

Triad

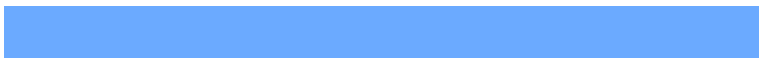
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.9941, 0.4697, 0.3554



39.9941, 0.2628, 0.4326



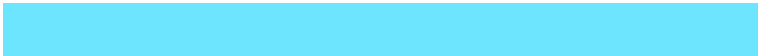
39.9941, 0.2116, 0.2082

Complementary

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



39.9941, 0.4697, 0.3554



66.5559, 0.2346, 0.2975

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.



39.9941, 0.1802, 0.2241



39.9941, 0.4697, 0.3554



39.9941, 0.2053, 0.3481

Square

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



39.9941, 0.4697, 0.3554



39.9941, 0.3380, 0.4766



39.9941, 0.1776, 0.2706



39.9941, 0.2710, 0.2183

Rectangle

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



39.9941, 0.4697, 0.3554



39.9941, 0.4306, 0.4484



39.9941, 0.1776, 0.2706



39.9941, 0.1980, 0.2104

Sweetspot

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



39.9962, 0.4697, 0.3554



76.8835, 0.3442, 0.3370



38.1679, 0.3420, 0.2132



15.9371, 0.3486, 0.3380



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.



39.9962, 0.4697, 0.3554



33.6110, 0.5169, 0.3573



66.8449, 0.4214, 0.4250



18.5141, 0.3290, 0.3333



12.2714, 0.6216, 0.3447



1.3312, 0.6018, 0.3604

Inverse Universe

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



66.5559, 0.2346, 0.2975



62.2429, 0.2244, 0.2902



35.0981, 0.2146, 0.2049



19.8942, 0.2980, 0.3246



27.8617, 0.2085, 0.2705



2.8510, 0.2105, 0.2779

Previews

White Background



This preview shows how the Yxy color 39.9941, 0.4697, 0.3554 looks on a white background.

Color Contrast Check

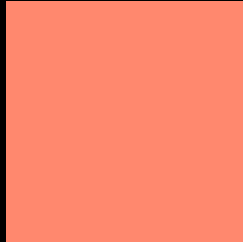
Large Text (above 18pt) WCAG AA × Fail

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 39.9941, 0.4697, 0.3554 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 39.9941, 0.4697, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 39.9941, 0.4697, 0.3554.



This preview shows how white text looks on a background with the Yxy color 39.9941, 0.4697, 0.3554.

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

39.9941, 0.4697, 0.3554

Protanopia

40.2720, 0.3656, 0.3922

Deuteranopia

39.9824, 0.4099, 0.4005



Tritanopia

39.9881, 0.4363, 0.3201

Trichromacy



Original Color

39.9941, 0.4697, 0.3554

Protanomaly

39.3409, 0.4023, 0.3782

Deuteranomaly

39.6913, 0.4319, 0.3828

Tritanomaly

39.9219, 0.4494, 0.3335

Monochromacy



Original Color

39.9941, 0.4697, 0.3554

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.5314, 0.3647, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9941, 0.4697, 0.3554 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, 136, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 110)  
}
```

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, 136, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 110) }
```

Border

The CSS property to change the border of an element to Yxy 39.9941, 0.4697, 0.3554 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, 136, 110) }
```

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

```
.border{ border-color:rgb(255, 136, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9941, 0.4697, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 110) }
```

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

```
.background{ background-color: rgb(255,  
136, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor