

Converting Colors

$Yxy(82.3103, 0.5403, 0.3552)$

Have a look what the booklet for
Yxy(82.3103, 0.5403, 0.3552)
contains.

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Color

Yxy(46.8614, 0.4532, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E6F
RGB	255, 158, 111
RGB Percent	100%, 62%, 44%
CMY	0.0000, 0.3803, 0.5648
CMYK	0.00, 0.38, 0.56, 0.00
HSL	20°, 100%, 72%
HSV	20°, 56%, 100%
XYZ	56.3331, 46.8614, 21.1063
YIQ	181.6450, 72.8990, 5.9470

Conversions

Conversions Part 2

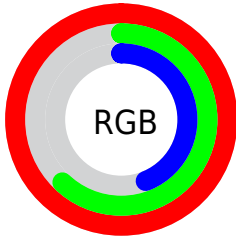
Format	Color
R _Y B	255, 181, 111
Decimal	16752239
CIE Lab	74.10, 31.63, 39.60
CIE LCh	74, 50.680, 51.384
Yxy	46.8614, 0.4532, 0.3770
Android (android.graphics.Color)	4294942319 (0xFFFF9E6F)
YUV	181.6450, -34.8280, 64.3323
Hunter-Lab	68.4554, 27.0938, 29.6384

Details

The Yxy color **46.8614, 0.4532, 0.3770** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.6858, 0.2292, 0.2707**, and the grayscale version is **46.7396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4928, 0.3815, 0.3807**, and **22.1252, 0.4897, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **40.9253, 0.4890, 0.3819**, and if you desaturate by 10%, it is **53.7810, 0.4198, 0.3697**.

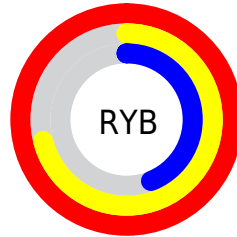
Distribution



Red (100%)

Green (62%)

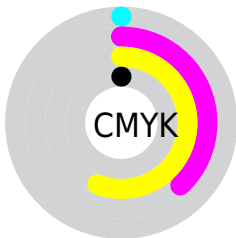
Blue (44%)



Red (100%)

Yellow (71%)

Blue (44%)

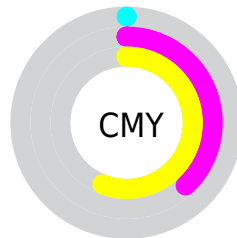


Cyan (0%)

Magenta (38%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8614, 0.4532, 0.3770 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 46.8614, 0.4532, 0.3770 by changing the saturation by 10% instead.

 46.8614, 0.4532,
0.3770

 46.8614, 0.4532,
0.3770


374.2610, 0.3834,
0.3578


 32.9261, 0.4698,
0.3800


 85.5067, 0.4283,
0.3713


 22.0698, 0.4905,
0.3828


 110.9855, 0.4188,
0.3688

 13.9082, 0.5165,
0.3847


 141.0809, 0.4107,
0.3665

 8.0569, 0.5498,
0.3838

 176.1773, 0.4037,
0.3644

 4.1314, 0.6037,
0.3836

216.6591, 0.3976,
0.3625

 1.7473, 0.6465,
0.3535

262.9108, 0.3923,

 0.4540, 0.7348,

0.3608

0.2652

315.3166, 0.3876,
0.3593

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.8614, 0.4532,
0.3770

46.8614, 0.4532,
0.3770

40.9253, 0.4890,
0.3819

53.7810, 0.4198,
0.3697

35.9177, 0.5250,
0.3831

61.7211, 0.3900,
0.3610

31.7885, 0.5581,
0.3796

70.7254, 0.3641,
0.3519

28.4782, 0.5848,
0.3710

80.8328, 0.3420,
0.3429

■ 27.4893, 0.5929,
0.3675

■ 92.0799, 0.3233,
0.3343

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



46.8614, 0.4345, 0.3241



46.8614, 0.4532, 0.3770



46.8614, 0.4294, 0.4263

Triad

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



46.8614, 0.4532, 0.3770



46.8614, 0.2448, 0.3899



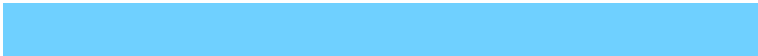
46.8614, 0.2425, 0.2219

Complementary

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



46.8614, 0.4532, 0.3770



55.6858, 0.2292, 0.2707

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.



46.8614, 0.2029, 0.2265



46.8614, 0.4532, 0.3770



46.8614, 0.2033, 0.3155

Square

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



46.8614, 0.4532, 0.3770



46.8614, 0.3075, 0.4468



46.8614, 0.1894, 0.2572



46.8614, 0.3050, 0.2398

Rectangle

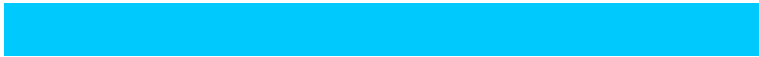
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.8614, 0.4532, 0.3770



46.8614, 0.3956, 0.4501



46.8614, 0.1894, 0.2572



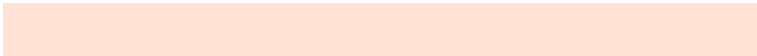
46.8614, 0.2265, 0.2208

Sweetspot

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



46.8638, 0.4532, 0.3770



80.2848, 0.3431, 0.3433



37.2440, 0.3646, 0.2322



16.7328, 0.3473, 0.3451



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.



46.8638, 0.4532, 0.3770



40.1080, 0.4945, 0.3824



78.2175, 0.4079, 0.4430



18.9559, 0.3286, 0.3368



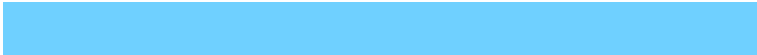
14.6050, 0.5899, 0.3698



1.6114, 0.5679, 0.3873

Inverse Universe

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



55.6858, 0.2292, 0.2707



49.5505, 0.2161, 0.2563



28.5955, 0.2093, 0.1781



19.4226, 0.2980, 0.3211



19.4161, 0.1940, 0.2183



2.0898, 0.1979, 0.2324

Previews

White Background



This preview shows how the Yxy color 46.8614, 0.4532, 0.3770 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 46.8614, 0.4532, 0.3770 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 46.8614, 0.4532, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 46.8614, 0.4532, 0.3770.



This preview shows how white text looks on a background with the Yxy color 46.8614, 0.4532, 0.3770.

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

46.8614, 0.4532, 0.3770

Protanopia

47.2288, 0.3778, 0.4092

Deuteranopia

46.8844, 0.4151, 0.4057



Tritanopia

46.7228, 0.4034, 0.3177

Trichromacy



Original Color

46.8614, 0.4532, 0.3770

Protanomaly

46.6165, 0.4048, 0.3967

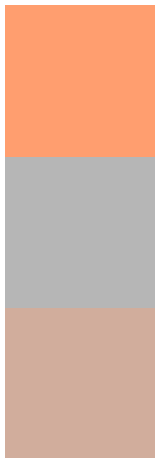
Deuteranomaly

46.6018, 0.4293, 0.3946

Tritanomaly

46.7470, 0.4221, 0.3398

Monochromacy



Original Color

46.8614, 0.4532, 0.3770

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.8427, 0.3609, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8614, 0.4532, 0.3770 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 111) }
```

Border

The CSS property to change the border of an element to Yxy 46.8614, 0.4532, 0.3770 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, 111) }
```

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

```
.border{ border-color:rgb(255, 158, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8614, 0.4532, 0.3770 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
158, 111) }
```

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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