

Converting Colors

$Y_{xy}(80.3890, 0.5341, 0.3540)$

Have a look what the booklet for
Yxy(80.3890, 0.5341, 0.3540)
contains.

Yxy(46.9515, 0.4496, 0.3732)	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(46.9515, 0.4496, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E73
RGB	255, 158, 115
RGB Percent	100%, 62%, 45%
CMY	0.0000, 0.3804, 0.5491
CMYK	0.00, 0.38, 0.55, 0.00
HSL	18°, 100%, 73%
HSV	18°, 55%, 100%
XYZ	56.5632, 46.9515, 22.2932
YIQ	182.1010, 71.6150, 7.1910

Conversions

Conversions Part 2

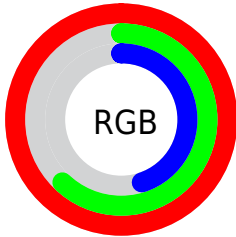
Format	Color
R _Y B	255, 177, 115
Decimal	16752243
CIE Lab	74.16, 31.95, 37.57
CIE LCh	74, 49.318, 49.618
Yxy	46.9515, 0.4496, 0.3732
Android (android.graphics.Color)	4294942323 (0xFFFF9E73)
YUV	182.1010, -33.0808, 63.9324
Hunter-Lab	68.5212, 27.4371, 28.6750

Details

The Yxy color **46.9515, 0.4496, 0.3732** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.9367, 0.2319, 0.2761**, and the grayscale version is **46.9899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6757, 0.3778, 0.3755**, and **22.1707, 0.4853, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **40.8445, 0.4860, 0.3782**, and if you desaturate by 10%, it is **54.0877, 0.4160, 0.3661**.

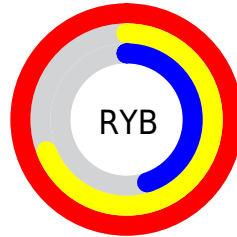
Distribution



Red (100%)

Green (62%)

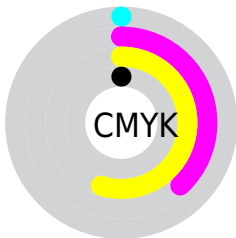
Blue (45%)



Red (100%)

Yellow (69%)

Blue (45%)

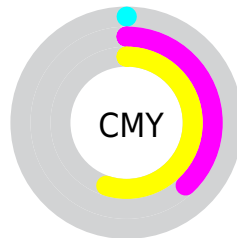


Cyan (0%)

Magenta (38%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9515, 0.4496, 0.3732 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 46.9515, 0.4496, 0.3732 by changing the saturation by 10% instead.

 46.9515, 0.4496,
0.3732


 46.9515, 0.4496,
0.3732


374.6209, 0.3814,
0.3556

 32.9973, 0.4660,
0.3760


 85.6412, 0.4252,
0.3680

 22.1244, 0.4864,
0.3786

 111.1456, 0.4159,
0.3656

 13.9483, 0.5122,
0.3803


 141.2687, 0.4080,
0.3635

 8.0847, 0.5456,
0.3796

176.3951, 0.4012,
0.3616

 4.1492, 0.5965,
0.3775

216.9091, 0.3953,
0.3599

 1.7574, 0.6476,
0.3524

263.1952, 0.3901,

 0.4604, 0.7349,

0.3583

0.2651

315.6376, 0.3855,
0.3569

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.9515, 0.4496,
0.3732

46.9515, 0.4496,
0.3732

40.8445, 0.4860,
0.3782

54.0877, 0.4160,
0.3661

35.7151, 0.5231,
0.3797

62.2988, 0.3863,
0.3578

31.5082, 0.5576,
0.3766

71.6289, 0.3607,
0.3492

28.1614, 0.5860,
0.3688

82.1190, 0.3390,
0.3408

■ 26.7596, 0.5977,
0.3636

■ 93.8083, 0.3206,
0.3327

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



46.9515, 0.4288, 0.3215



46.9515, 0.4496, 0.3732



46.9515, 0.4289, 0.4216

Triad

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



46.9515, 0.4496, 0.3732



46.9515, 0.2499, 0.3922



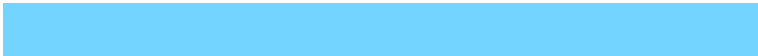
46.9515, 0.2414, 0.2241

Complementary

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



46.9515, 0.4496, 0.3732



57.9367, 0.2319, 0.2761

Split Complementary

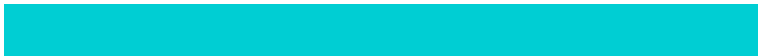
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.9515, 0.2040, 0.2301



46.9515, 0.4496, 0.3732



46.9515, 0.2077, 0.3201

Square

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



46.9515, 0.4496, 0.3732



46.9515, 0.3119, 0.4451



46.9515, 0.1924, 0.2618



46.9515, 0.3013, 0.2403

Rectangle

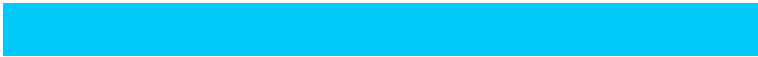
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.9515, 0.4496, 0.3732



46.9515, 0.3971, 0.4455



46.9515, 0.1924, 0.2618



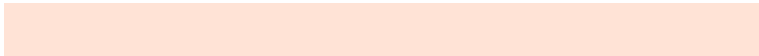
46.9515, 0.2262, 0.2234

Sweetspot

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



46.9519, 0.4496, 0.3732



80.9197, 0.3412, 0.3417



38.3196, 0.3601, 0.2324



16.8430, 0.3454, 0.3434



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.



46.9519, 0.4496, 0.3732



40.2397, 0.4900, 0.3785



77.4327, 0.4066, 0.4384



18.8973, 0.3287, 0.3364



14.2129, 0.5948, 0.3659



1.5676, 0.5727, 0.3835

Inverse Universe

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



57.9367, 0.2319, 0.2761



52.0782, 0.2193, 0.2633



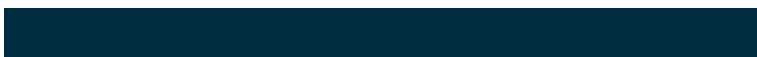
30.5022, 0.2129, 0.1859



19.4841, 0.2980, 0.3215



20.4062, 0.1959, 0.2253



2.1807, 0.1996, 0.2385

Previews

White Background



This preview shows how the Yxy color 46.9515, 0.4496, 0.3732 looks on a white background.

Color Contrast Check

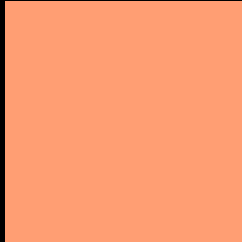
Large Text (above 18pt) WCAG AA × Fail

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 46.9515, 0.4496, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

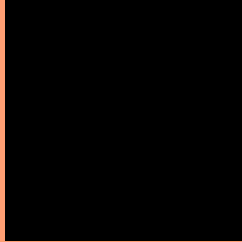
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9515, 0.4496, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 46.9515, 0.4496, 0.3732.



This preview shows how white text looks on a background with the Yxy color 46.9515, 0.4496, 0.3732.

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

46.9515, 0.4496, 0.3732

Protanopia

47.3534, 0.3738, 0.4030

Deuteranopia

47.2019, 0.4102, 0.4028



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

46.9515, 0.4496, 0.3732

Protanomaly

46.7126, 0.4014, 0.3922

Deuteranomaly

46.8918, 0.4243, 0.3919

Tritanomaly

46.7780, 0.4211, 0.3388

Monochromacy



Original Color

46.9515, 0.4496, 0.3732

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.9111, 0.3591, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9515, 0.4496, 0.3732 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 115) }
```

Border

The CSS property to change the border of an element to Yxy 46.9515, 0.4496, 0.3732 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, 115) }
```

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

```
.border{ border-color:rgb(255, 158, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9515, 0.4496, 0.3732 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, 115) }
```

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

```
.background{ background-color: rgb(255,  
158, 115) }
```

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