

Converting Colors

$Y_{xy}(46.8800, 0.4327, 0.3843)$

Have a look what the booklet for
Yxy(46.8800, 0.4327, 0.3843)
contains.

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Color

Yxy(46.8259, 0.4333, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	F1A572
RGB	241, 165, 114
RGB Percent	95%, 65%, 45%
CMY	0.0549, 0.3529, 0.5528
CMYK	0.00, 0.32, 0.53, 0.05
HSL	24°, 82%, 70%
HSV	24°, 53%, 95%
XYZ	52.7690, 46.8259, 22.1890
YIQ	181.9100, 61.6670, 0.2510

Conversions

Conversions Part 2

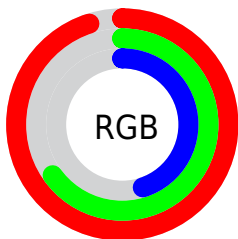
Format	Color
R _Y B	241, 199, 114
Decimal	15836530
CIE Lab	74.08, 22.68, 37.61
CIE LCh	74, 43.920, 58.915
Yxy	46.8259, 0.4333, 0.3845
Android (android.graphics.Color)	4294026610 (0xFFFF1A572)
YUV	181.9100, -33.4796, 51.8219
Hunter-Lab	68.4295, 17.8976, 28.6752

Details

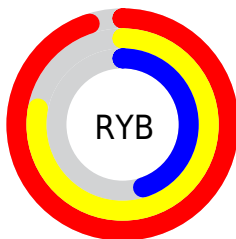
The Yxy color **46.8259, 0.4333, 0.3845** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.7723, 0.2316, 0.2626**, and the grayscale version is **46.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2364, 0.3761, 0.3834**, and **22.1370, 0.4655, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **41.4356, 0.4650, 0.3923**, and if you desaturate by 10%, it is **52.9524, 0.4038, 0.3746**.

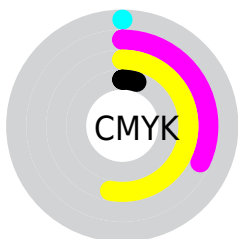
Distribution



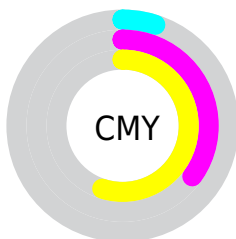
- Red (95%)
- Green (65%)
- Blue (45%)



- Red (95%)
- Yellow (78%)
- Blue (45%)



- Cyan (0%)
- Magenta (32%)
- Yellow (53%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8259, 0.4333, 0.3845 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 46.8259, 0.4333, 0.3845 by changing the saturation by 10% instead.


 46.8259, 0.4333,
0.3845

 46.8259, 0.4333,
0.3845


374.1192, 0.3734,
0.3603


 32.8980, 0.4477,
0.3891


 85.4537, 0.4119,
0.3767

 22.0484, 0.4656,
0.3942

 110.9224, 0.4037,
0.3735

 13.8924, 0.4883,
0.3994


 141.0069, 0.3967,
0.3706

 8.0459, 0.5175,
0.4035

176.0915, 0.3908,
0.3681

 4.1243, 0.5634,
0.4095

216.5606, 0.3856,
0.3658

 1.7433, 0.6065,
0.3935

262.7987, 0.3810,

 0.4515, 0.6869,

0.3638

0.3131

315.1901, 0.3770,
0.3620

0.0000, 0.0000,
0.0000

46.8259, 0.4333,
0.3845

46.8259, 0.4333,
0.3845

41.4356, 0.4650,
0.3923

52.9524, 0.4038,
0.3746

36.7436, 0.4975,
0.3967

59.8369, 0.3774,
0.3638

32.7181, 0.5286,
0.3965

67.5090, 0.3542,
0.3527

29.3215, 0.5555,
0.3909

75.9941, 0.3341,
0.3419

27.2020, 0.5721,
0.3840

85.3167, 0.3169,
0.3316

■ 95.2633, 0.3042,
0.3256

■ 97.4401, 0.3041,
0.3290

Harmonies

Analogous

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



46.8259, 0.4259, 0.3376



46.8259, 0.4333, 0.3845



46.8259, 0.4056, 0.4240

Triad

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



46.8259, 0.4333, 0.3845



46.8259, 0.2425, 0.3657



46.8259, 0.2637, 0.2365

Complementary

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



46.8259, 0.4333, 0.3845



46.7723, 0.2316, 0.2626

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.



46.8259, 0.2226, 0.2357



46.8259, 0.4333, 0.3845



46.8259, 0.2110, 0.3035

Square

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



46.8259, 0.4333, 0.3845



46.8259, 0.2944, 0.4205



46.8259, 0.2045, 0.2577



46.8259, 0.3222, 0.2569

Rectangle

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



46.8259, 0.4333, 0.3845



46.8259, 0.3731, 0.4391



46.8259, 0.2045, 0.2577



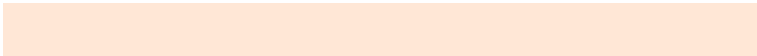
46.8259, 0.2476, 0.2339

Sweetspot

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



46.8282, 0.4333, 0.3845



83.0413, 0.3406, 0.3455



34.4715, 0.3717, 0.2483



17.3455, 0.3447, 0.3477



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.



46.8282, 0.4333, 0.3845



46.8156, 0.4667, 0.3926



75.5683, 0.3957, 0.4453



16.8003, 0.3283, 0.3385



14.9989, 0.5692, 0.3863



1.4375, 0.5452, 0.4053

Inverse Universe

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



46.7723, 0.2316, 0.2626



46.6667, 0.2177, 0.2465



25.0422, 0.2141, 0.1765



16.8024, 0.2980, 0.3193



14.5737, 0.1867, 0.1919



1.4067, 0.1922, 0.2118

Previews

White Background



This preview shows how the Yxy color 46.8259, 0.4333, 0.3845 looks on a white background.

Color Contrast Check

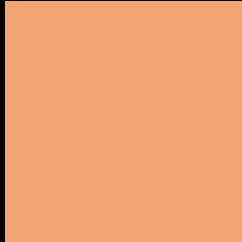
Large Text (above 18pt) WCAG AA × Fail

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 46.8259, 0.4333, 0.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

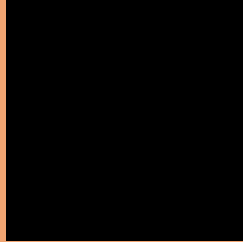
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8259, 0.4333, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 46.8259, 0.4333, 0.3845.



This preview shows how white text looks on a background with the Yxy color 46.8259, 0.4333, 0.3845.

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

46.8259, 0.4333, 0.3845

Protanopia

46.8421, 0.3775, 0.4068

Deuteranopia

46.8141, 0.4109, 0.4017



Tritanopia

46.7685, 0.3862, 0.3161

Trichromacy



Original Color

46.8259, 0.4333, 0.3845

Protanomaly

46.6548, 0.3981, 0.3992

Deuteranomaly

46.8121, 0.4184, 0.3954

Tritanomaly

46.9248, 0.4042, 0.3414

Monochromacy



Original Color

46.8259, 0.4333, 0.3845

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1815, 0.3535, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8259, 0.4333, 0.3845 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(241, 165, 114)` looks like.

```
.text, #text, p{  
    color:rgb(241, 165, 114)  
}
```

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(241, 165, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 165, 114) }
```

Border

The CSS property to change the border of an element to Yxy 46.8259, 0.4333, 0.3845 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(241, 165, 114) }
```

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

```
.border{ border-color:rgb(241, 165, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 165, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 165, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 165, 114);  
box-shadow:4px 4px 4px 4px rgb(241, 165,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8259, 0.4333, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 165, 114) }
```

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

```
.background{ background-color: rgb(241,  
165, 114) }
```

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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