

Converting Colors

$Y_{xy}(46.6051, 0.4276, 0.3748)$

Have a look what the booklet for
Yxy(46.6051, 0.4276, 0.3748)
contains.

Yxy(46.8333, 0.4277, 0.3750)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8333, 0.4277, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	F2A47A
RGB	242, 164, 122
RGB Percent	95%, 64%, 48%
CMY	0.0509, 0.3569, 0.5215
CMYK	0.00, 0.32, 0.50, 0.05
HSL	21°, 82%, 71%
HSV	21°, 50%, 95%
XYZ	53.4149, 46.8333, 24.6406
YIQ	182.5340, 59.9700, 3.4740

Conversions

Conversions Part 2

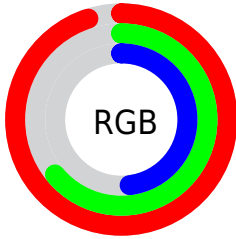
Format	Color
R _Y B	242, 187, 122
Decimal	15901818
CIE Lab	74.08, 24.33, 33.44
CIE LCh	74, 41.350, 53.964
Yxy	46.8333, 0.4277, 0.3750
Android (android.graphics.Color)	4294091898 (0xFFFF2A47A)
YUV	182.5340, -29.8433, 52.1517
Hunter-Lab	68.4349, 19.5622, 26.5565

Details

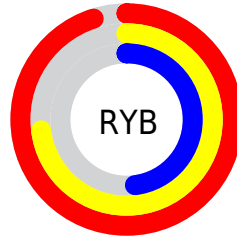
The Yxy color **46.8333, 0.4277, 0.3750** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.8851, 0.2375, 0.2755**, and the grayscale version is **47.2292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0182, 0.3707, 0.3743**, and **22.1367, 0.4586, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **41.0200, 0.4609, 0.3823**, and if you desaturate by 10%, it is **53.4977, 0.3976, 0.3661**.

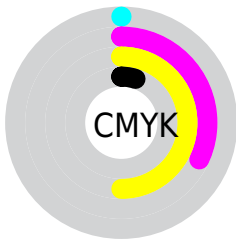
Distribution



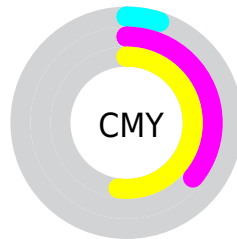
- Red (95%)
- Green (64%)
- Blue (48%)



- Red (95%)
- Yellow (73%)
- Blue (48%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (5%)





- Cyan (5%)
- Magenta (36%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8333, 0.4277, 0.3750 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 46.8333, 0.4277, 0.3750 by changing the saturation by 10% instead.


 46.8333, 0.4277,
0.3750


 46.8333, 0.4277,
0.3750

374.1487, 0.3702,
0.3551


 32.9039, 0.4417,
0.3788


 85.4647, 0.4070,
0.3686

 22.0528, 0.4592,
0.3830


 110.9356, 0.3992,
0.3659

 13.8957, 0.4818,
0.3872


 141.0223, 0.3925,
0.3636

 8.0482, 0.5115,
0.3906

176.1094, 0.3868,
0.3615

 4.1258, 0.5538,
0.3924

216.5812, 0.3818,
0.3596

 1.7442, 0.6142,
0.3858

262.8220, 0.3775,

 0.4520, 0.6964,

0.3579

0.3036

315.2164, 0.3736,
0.3564

0.0000, 0.0000,
0.0000

46.8333, 0.4277,
0.3750

46.8333, 0.4277,
0.3750

41.0200, 0.4609,
0.3823

53.4977, 0.3976,
0.3661

36.0142, 0.4959,
0.3868

61.0404, 0.3710,
0.3564

31.7784, 0.5302,
0.3871

69.4959, 0.3482,
0.3468

28.2686, 0.5608,
0.3823

78.8946, 0.3287,
0.3374

25.4293, 0.5854,
0.3730

89.2655, 0.3121,
0.3287

■ 25.3251, 0.5863,
0.3726

■ 97.6228, 0.3048,
0.3290

Harmonies

Analogous

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



46.8333, 0.4147, 0.3302



46.8333, 0.4277, 0.3750



46.8333, 0.4069, 0.4140

Triad

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



46.8333, 0.4277, 0.3750



46.8333, 0.2536, 0.3732



46.8333, 0.2587, 0.2397

Complementary

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



46.8333, 0.4277, 0.3750



51.8851, 0.2375, 0.2755

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.



46.8333, 0.2229, 0.2426



46.8333, 0.4277, 0.3750



46.8333, 0.2198, 0.3144

Square

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



46.8333, 0.4277, 0.3750



46.8333, 0.3050, 0.4204



46.8333, 0.2095, 0.2676



46.8333, 0.3120, 0.2562

Rectangle

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



46.8333, 0.4277, 0.3750



46.8333, 0.3784, 0.4304



46.8333, 0.2095, 0.2676



46.8333, 0.2445, 0.2384

Sweetspot

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



46.8356, 0.4277, 0.3750



82.9217, 0.3389, 0.3425



37.0706, 0.3581, 0.2447



17.2773, 0.3431, 0.3444



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.



46.8356, 0.4277, 0.3750



45.8329, 0.4629, 0.3827



72.5459, 0.3951, 0.4325



16.6631, 0.3284, 0.3373



13.8321, 0.5834, 0.3750



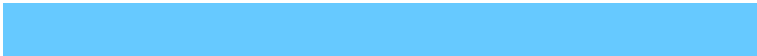
1.3307, 0.5581, 0.3950

Inverse Universe

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



51.8851, 0.2375, 0.2755



52.0458, 0.2239, 0.2617



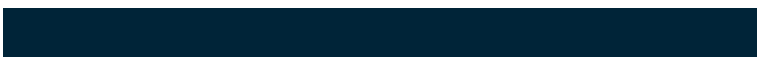
29.9021, 0.2224, 0.1972



16.9442, 0.2980, 0.3205



16.7295, 0.1918, 0.2103



1.5774, 0.1966, 0.2278

Previews

White Background



This preview shows how the Yxy color 46.8333, 0.4277, 0.3750 looks on a white background.

Color Contrast Check

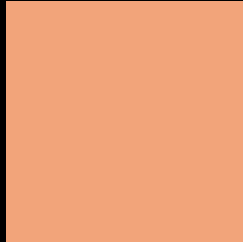
Large Text (above 18pt) WCAG AA × Fail

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 46.8333, 0.4277, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

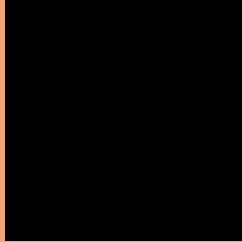
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8333, 0.4277, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 46.8333, 0.4277, 0.3750.



This preview shows how white text looks on a background with the Yxy color 46.8333, 0.4277, 0.3750.

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

46.8333, 0.4277, 0.3750

Protanopia

46.9379, 0.3692, 0.3958

Deuteranopia

47.0761, 0.4017, 0.3945



Tritanopia

46.9488, 0.3871, 0.3162

Trichromacy



Original Color

46.8333, 0.4277, 0.3750

Protanomaly

46.3384, 0.3899, 0.3877

Deuteranomaly

46.8372, 0.4105, 0.3870

Tritanomaly

46.8540, 0.4025, 0.3369

Monochromacy



Original Color

46.8333, 0.4277, 0.3750

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.4612, 0.3509, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8333, 0.4277, 0.3750 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(242, 164, 122)` looks like.

```
.text, #text, p{  
    color:rgb(242, 164, 122)  
}
```

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(242, 164, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 164, 122) }
```

Border

The CSS property to change the border of an element to Yxy 46.8333, 0.4277, 0.3750 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(242, 164, 122) }
```

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

```
.border{ border-color:rgb(242, 164, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 164, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 164, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 164, 122);  
box-shadow:4px 4px 4px 4px rgb(242, 164,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8333, 0.4277, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 164, 122) }
```

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

```
.background{ background-color: rgb(242,  
164, 122) }
```

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