

Converting Colors

Yxy(41.9963, 0.4829, 0.3822)

Have a look what the booklet for
Yxy(41.9963, 0.4829, 0.3822)
contains.

Yxy(41.9278, 0.4833, 0.3822)	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(41.9278, 0.4833, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	FF9059
RGB	255, 144, 89
RGB Percent	100%, 56%, 35%
CMY	0.0000, 0.4353, 0.6509
CMYK	0.00, 0.44, 0.65, 0.00
HSL	20°, 100%, 67%
HSV	20°, 65%, 100%
XYZ	53.0186, 41.9278, 14.7548
YIQ	170.9190, 83.8110, 6.4270

Conversions

Conversions Part 2

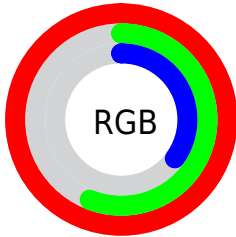
Format	Color
R_{YB}	255, 171, 89
Decimal	16748633
CIE _{Lab}	70.82, 37.36, 46.96
CIE _{LCh}	71, 60.013, 51.495
Yxy	41.9278, 0.4833, 0.3822
Android (android.graphics.Color)	4294938713 (0xFFFF9059)
YUV	170.9190, -40.3861, 73.7390
Hunter-Lab	64.7517, 32.8401, 31.8159

Details

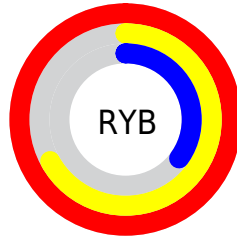
The Yxy color **41.9278, 0.4833, 0.3822** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **50.6638, 0.2189, 0.2590**, and the grayscale version is **40.8587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0299, 0.4039, 0.3891**, and **19.1449, 0.5275, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **36.7906, 0.5192, 0.3841**, and if you desaturate by 10%, it is **47.9964, 0.4479, 0.3768**.

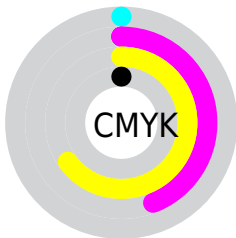
Distribution



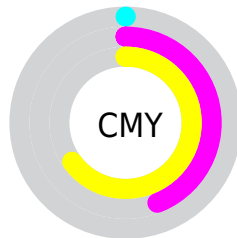
- Red (100%)
- Green (56%)
- Blue (35%)



- Red (100%)
- Yellow (67%)
- Blue (35%)



- Cyan (0%)
- Magenta (44%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9278, 0.4833, 0.3822 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 41.9278, 0.4833, 0.3822 by changing the saturation by 10% instead.


 41.9278, 0.4833,
0.3822


 41.9278, 0.4833,
0.3822


354.1836, 0.3981,
0.3628

 29.0448, 0.5033,
0.3842


 78.0903, 0.4530,
0.3772


 19.1147, 0.5277,
0.3851


 102.1386, 0.4414,
0.3747

 11.7532, 0.5578,
0.3833


 130.6775, 0.4315,
0.3723

 6.5758, 0.5975,
0.3777

 164.0912, 0.4229,
0.3701

 3.1983, 0.6419,
0.3581

202.7643, 0.4155,
0.3680

 1.2361, 0.6877,
0.3123

247.0812, 0.4090,

 0.0909, 0.9173,

0.3661

0.0827

297.4261, 0.4032,
0.3644

■ 0.0000, 0.0000,
0.0000

■ 41.9278, 0.4833,
0.3822

■ 41.9278, 0.4833,
0.3822

■ 36.7906, 0.5192,
0.3841

■ 47.9964, 0.4479,
0.3768

■ 32.5297, 0.5527,
0.3813

■ 55.0387, 0.4152,
0.3690


■ 29.0891, 0.5804,
0.3734

■ 63.0991, 0.3860,
0.3602

■ 27.6734, 0.5917,
0.3684

■ 72.2179, 0.3608,
0.3509

■ 82.4330, 0.3392,
0.3418

 93.7805, 0.3209,
0.3332

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.



41.9278, 0.4626, 0.3207



41.9278, 0.4833, 0.3822



41.9278, 0.4514, 0.4427

Triad

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



41.9278, 0.4833, 0.3822



41.9278, 0.2290, 0.4044



41.9278, 0.2281, 0.2022

Complementary

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



41.9278, 0.4833, 0.3822



50.6638, 0.2189, 0.2590

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.



41.9278, 0.1824, 0.2062



41.9278, 0.4833, 0.3822



41.9278, 0.1813, 0.3098

Square

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



41.9278, 0.4833, 0.3822



41.9278, 0.3033, 0.4772



41.9278, 0.1666, 0.2403



41.9278, 0.3025, 0.2232

Rectangle

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



41.9278, 0.4833, 0.3822



41.9278, 0.4094, 0.4749



41.9278, 0.1666, 0.2403



41.9278, 0.2095, 0.2005

Sweetspot

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



41.9292, 0.4833, 0.3822



77.2763, 0.3494, 0.3463



32.6941, 0.3758, 0.2213



15.9346, 0.3555, 0.3488



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.



41.9292, 0.4833, 0.3822



35.4617, 0.5294, 0.3838



75.6006, 0.4213, 0.4559



18.9699, 0.3286, 0.3369



14.7028, 0.5887, 0.3708



1.6223, 0.5667, 0.3882

Inverse Universe

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



50.6638, 0.2189, 0.2590



44.5086, 0.2065, 0.2424



22.6470, 0.1935, 0.1521



19.4079, 0.2980, 0.3209



19.1848, 0.1935, 0.2166



2.0685, 0.1975, 0.2309

Previews

White Background



This preview shows how the Yxy color 41.9278, 0.4833, 0.3822 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 41.9278, 0.4833, 0.3822 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 41.9278, 0.4833, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 41.9278, 0.4833, 0.3822.



This preview shows how white text looks on a background with the Yxy color 41.9278, 0.4833, 0.3822.

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

41.9278, 0.4833, 0.3822

Protanopia

42.2493, 0.3925, 0.4266

Deuteranopia

41.8465, 0.4329, 0.4234



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.9278, 0.4833, 0.3822

Protanomaly

41.3168, 0.4257, 0.4101

Deuteranomaly

41.4438, 0.4520, 0.4068

Tritanomaly

41.8421, 0.4486, 0.3438

Monochromacy



Original Color

41.9278, 0.4833, 0.3822

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.9694, 0.3723, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9278, 0.4833, 0.3822 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, 144, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 89)  
}
```

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, 144, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 89) }
```

Border

The CSS property to change the border of an element to Yxy 41.9278, 0.4833, 0.3822 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, 144, 89) }
```

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

```
.border{ border-color:rgb(255, 144, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9278, 0.4833, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 89) }
```

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

```
.background{ background-color: rgb(255,  
144, 89) }
```

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