

Converting Colors

$Y_{xy}(39.1370, 0.4892, 0.3726)$

Have a look what the booklet for
Yxy(39.1370, 0.4892, 0.3726)
contains.

Yxy(39.1370, 0.4892, 0.3726)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.1370, 0.4892, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	FE875A
RGB	254, 135, 90
RGB Percent	100%, 53%, 35%
CMY	0.0039, 0.4706, 0.6471
CMYK	0.00, 0.47, 0.65, 0.00
HSL	16°, 99%, 67%
HSV	16°, 65%, 100%
XYZ	51.3844, 39.1370, 14.5162
YIQ	165.4510, 85.3690, 11.2330

Conversions

Conversions Part 2

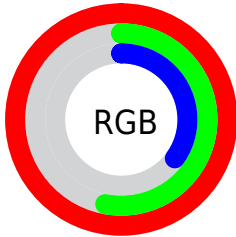
Format	Color
RYB	254, 152, 90
Decimal	16680794
CIELab	68.85, 41.58, 44.12
CIElCh	69, 60.631, 46.697
Yxy	39.1370, 0.4892, 0.3726
Android (android.graphics.Color)	4294870874 (0xFFFE875A)
YUV	165.4510, -37.1973, 77.6575
Hunter-Lab	62.5596, 37.1348, 30.0342

Details

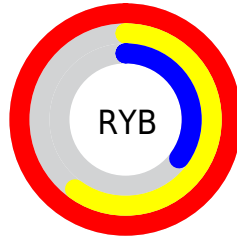
The Yxy color **39.1370, 0.4892, 0.3726** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **54.9277, 0.2225, 0.2721**, and the grayscale version is **38.0071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0100, 0.4084, 0.3802**, and **17.5601, 0.5366, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **34.0725, 0.5278, 0.3737**, and if you desaturate by 10%, it is **45.2435, 0.4514, 0.3683**.

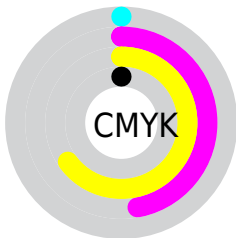
Distribution



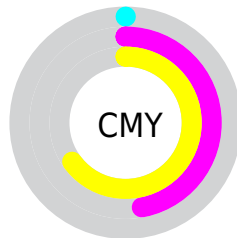
- Red (100%)
- Green (53%)
- Blue (35%)



- Red (100%)
- Yellow (60%)
- Blue (35%)



- Cyan (0%)
- Magenta (47%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1370, 0.4892, 0.3726 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 39.1370, 0.4892, 0.3726 by changing the saturation by 10% instead.


 39.1370, 0.4892,
0.3726


 39.1370, 0.4892,
0.3726

342.4726, 0.3997,
0.3579


 26.8663, 0.5107,
0.3734


 73.8476, 0.4571,
0.3693


 17.4729, 0.5372,
0.3728


 97.0562, 0.4448,
0.3674

 10.5722, 0.5701,
0.3689


 124.6797, 0.4344,
0.3656

 5.7800, 0.6149,
0.3606

 157.1023, 0.4255,
0.3638

 2.7117, 0.6643,
0.3357

194.7085, 0.4177,
0.3622

 0.9832, 0.7177,
0.2823

237.8827, 0.4109,

 0.0000, 1.0000,

0.3607

0.0000

287.0093, 0.4050,
0.3592

0.0000, 0.0000,
0.0000

39.1370, 0.4892,
0.3726

39.1370, 0.4892,
0.3726

34.0725, 0.5278,
0.3737

45.2435, 0.4514,
0.3683

29.9823, 0.5638,
0.3705

52.4419, 0.4168,
0.3619


26.7989, 0.5929,
0.3628

60.7862, 0.3864,
0.3545

25.4164, 0.6054,
0.3575

70.3247, 0.3604,
0.3468

81.1030, 0.3385,
0.3393

 93.1641, 0.3201,
0.3321

99.8123, 0.3121,
0.3290

Harmonies

Analogous

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



39.1370, 0.4588, 0.3102



39.1370, 0.4892, 0.3726



39.1370, 0.4634, 0.4358

Triad

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



39.1370, 0.4892, 0.3726



39.1370, 0.2369, 0.4225



39.1370, 0.2159, 0.1976

Complementary

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



39.1370, 0.4892, 0.3726



54.9277, 0.2225, 0.2721

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.



39.1370, 0.1742, 0.2060



39.1370, 0.4892, 0.3726



39.1370, 0.1830, 0.3234

Square

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



39.1370, 0.4892, 0.3726



39.1370, 0.3160, 0.4889



39.1370, 0.1629, 0.2461



39.1370, 0.2880, 0.2153

Rectangle

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



39.1370, 0.4892, 0.3726



39.1370, 0.4232, 0.4721



39.1370, 0.1629, 0.2461



39.1370, 0.1986, 0.1973

Sweetspot

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



39.1391, 0.4892, 0.3726



76.8489, 0.3477, 0.3426



33.0495, 0.3654, 0.2149



15.7898, 0.3541, 0.3448



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.



39.1391, 0.4892, 0.3726



33.2792, 0.5370, 0.3733



70.7873, 0.4259, 0.4486



18.7982, 0.3287, 0.3356



13.6085, 0.6026, 0.3597



1.4981, 0.5807, 0.3772

Inverse Universe

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



54.9277, 0.2225, 0.2721



49.9654, 0.2113, 0.2591



24.8358, 0.1968, 0.1637



19.5888, 0.2980, 0.3223



22.1694, 0.1992, 0.2370



2.3413, 0.2024, 0.2488

Previews

White Background



This preview shows how the Yxy color 39.1370, 0.4892, 0.3726 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 39.1370, 0.4892, 0.3726 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 39.1370, 0.4892, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 39.1370, 0.4892, 0.3726.



This preview shows how white text looks on a background with the Yxy color 39.1370, 0.4892, 0.3726.

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

39.1370, 0.4892, 0.3726

Protanopia

39.1549, 0.3866, 0.4186

Deuteranopia

39.0629, 0.4293, 0.4199



Tritanopia

39.0893, 0.4413, 0.3201

Trichromacy



Original Color

39.1370, 0.4892, 0.3726

Protanomaly

38.2141, 0.4233, 0.4005

Deuteranomaly

38.6686, 0.4516, 0.4012

Tritanomaly

39.1430, 0.4606, 0.3406

Monochromacy



Original Color

39.1370, 0.4892, 0.3726

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.8165, 0.3728, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1370, 0.4892, 0.3726 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(254, 135, 90)` looks like.

```
.text, #text, p{  
    color:rgb(254, 135, 90)  
}
```

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(254, 135, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 135, 90) }
```

Border

The CSS property to change the border of an element to Yxy 39.1370, 0.4892, 0.3726 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(254, 135, 90) }
```

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

```
.border{ border-color:rgb(254, 135, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 135, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 135, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 135, 90);  
box-shadow:4px 4px 4px 4px rgb(254, 135,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1370, 0.4892, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 135, 90) }
```

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

```
.background{ background-color: rgb(254,  
135, 90) }
```

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