

Converting Colors

$Y_{xy}(39.1109, 0.4928, 0.3738)$

Have a look what the booklet for
Yxy(39.1109, 0.4928, 0.3738)
contains.

Yxy(39.0148, 0.4927, 0.3730)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.0148, 0.4927, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	FF8658
RGB	255, 134, 88
RGB Percent	100%, 53%, 35%
CMY	0.0000, 0.4746, 0.6549
CMYK	0.00, 0.47, 0.65, 0.00
HSL	17°, 100%, 67%
HSV	17°, 65%, 100%
XYZ	51.5351, 39.0148, 14.0474
YIQ	164.9350, 86.8820, 11.3460

Conversions

Conversions Part 2

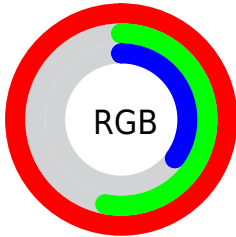
Format	Color
R _Y B	255, 151, 88
Decimal	16746072
CIE Lab	68.76, 42.36, 45.08
CIE LCh	69, 61.863, 46.781
Yxy	39.0148, 0.4927, 0.3730
Android (android.graphics.Color)	4294936152 (0xFFFF8658)
YUV	164.9350, -37.9290, 78.9870
Hunter-Lab	62.4618, 37.9660, 30.3892

Details

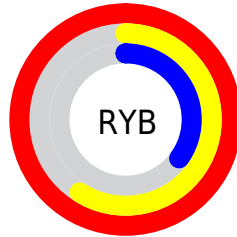
The Yxy color **39.0148, 0.4927, 0.3730** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **54.9043, 0.2215, 0.2710**, and the grayscale version is **37.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5193, 0.4105, 0.3812**, and **17.3755, 0.5419, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **33.9910, 0.5312, 0.3737**, and if you desaturate by 10%, it is **45.0714, 0.4547, 0.3689**.

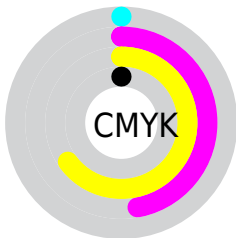
Distribution



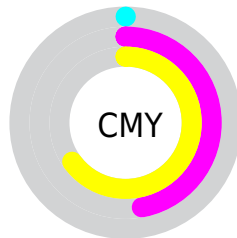
- Red (100%)
- Green (53%)
- Blue (35%)



- Red (100%)
- Yellow (59%)
- 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 39.0148, 0.4927, 0.3730 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 39.0148, 0.4927, 0.3730 by changing the saturation by 10% instead.


 39.0148, 0.4927,
0.3730


 39.0148, 0.4927,
0.3730


341.9534, 0.4015,
0.3585


 26.7712, 0.5145,
0.3737


 73.6609, 0.4600,
0.3698

 17.4015, 0.5413,
0.3727


 96.8323, 0.4475,
0.3680


 10.5212, 0.5744,
0.3683


 124.4150, 0.4369,
0.3662

 5.7458, 0.6204,
0.3599

 156.7936, 0.4278,
0.3644

 2.6912, 0.6673,
0.3327

 194.3523, 0.4199,
0.3628

 0.9727, 0.7215,
0.2785

237.4756, 0.4130,

 0.0000, 1.0000,

0.3612

0.0000

286.5478, 0.4069,
0.3598

0.0000, 0.0000,
0.0000

39.0148, 0.4927,
0.3730

39.0148, 0.4927,
0.3730

33.9910, 0.5312,
0.3737

45.0714, 0.4547,
0.3689

29.9484, 0.5667,
0.3701

52.2287, 0.4198,
0.3627


26.8128, 0.5950,
0.3620

60.5357, 0.3890,
0.3553

25.6672, 0.6053,
0.3576

70.0412, 0.3626,
0.3476

80.7914, 0.3403,
0.3400

 92.8298, 0.3216,
0.3328

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.



39.0148, 0.4621, 0.3098



39.0148, 0.4927, 0.3730



39.0148, 0.4659, 0.4374

Triad

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



39.0148, 0.4927, 0.3730



39.0148, 0.2350, 0.4245



39.0148, 0.2143, 0.1954

Complementary

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



39.0148, 0.4927, 0.3730



54.9043, 0.2215, 0.2710

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.



39.0148, 0.1719, 0.2037



39.0148, 0.4927, 0.3730



39.0148, 0.1805, 0.3228

Square

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



39.0148, 0.4927, 0.3730



39.0148, 0.3154, 0.4926



39.0148, 0.1603, 0.2441



39.0148, 0.2877, 0.2135

Rectangle

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



39.0148, 0.4927, 0.3730



39.0148, 0.4247, 0.4747



39.0148, 0.1603, 0.2441



39.0148, 0.1967, 0.1950

Sweetspot

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



39.0111, 0.4927, 0.3730



75.7847, 0.3499, 0.3434



32.9166, 0.3664, 0.2137



15.5814, 0.3563, 0.3455



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.



39.0111, 0.4927, 0.3730



32.4636, 0.5442, 0.3730



71.0939, 0.4275, 0.4498



18.8009, 0.3287, 0.3356



13.6242, 0.6024, 0.3599



1.4999, 0.5804, 0.3773

Inverse Universe

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



54.9043, 0.2215, 0.2710



49.0832, 0.2098, 0.2568



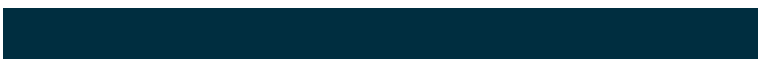
24.4658, 0.1953, 0.1611



19.5859, 0.2980, 0.3223



22.1190, 0.1991, 0.2367



2.3367, 0.2024, 0.2485

Previews

White Background



This preview shows how the Yxy color 39.0148, 0.4927, 0.3730 looks on a white background.

Color Contrast Check

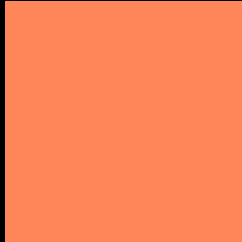
Large Text (above 18pt) WCAG AA × Fail

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 39.0148, 0.4927, 0.3730 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 39.0148, 0.4927, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 39.0148, 0.4927, 0.3730.



This preview shows how white text looks on a background with the Yxy color 39.0148, 0.4927, 0.3730.

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

39.0148, 0.4927, 0.3730

Protanopia

39.1157, 0.3883, 0.4211

Deuteranopia

39.0162, 0.4317, 0.4229



Tritanopia

39.0602, 0.4425, 0.3212

Trichromacy



Original Color

39.0148, 0.4927, 0.3730

Protanomaly

38.3231, 0.4261, 0.4024

Deuteranomaly

38.6206, 0.4541, 0.4041

Tritanomaly

38.8487, 0.4624, 0.3405

Monochromacy



Original Color

39.0148, 0.4927, 0.3730

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9231, 0.3748, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0148, 0.4927, 0.3730 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, 134, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 88)  
}
```

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, 134, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 88) }
```

Border

The CSS property to change the border of an element to Yxy 39.0148, 0.4927, 0.3730 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, 134, 88) }
```

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

```
.border{ border-color:rgb(255, 134, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0148, 0.4927, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 88) }
```

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

```
.background{ background-color: rgb(255,  
134, 88) }
```

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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