

# Converting Colors

$Y_{xy}(48.7371, 0.5171, 0.3570)$

Have a look what the booklet for  
Yxy(48.7371, 0.5171, 0.3570)  
contains.

<b>Yxy(39.1920, 0.4832, 0.3644)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.1920, 0.4832, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8662
RGB	255, 134, 98
RGB Percent	100%, 53%, 38%
CMY	0.0000, 0.4745, 0.6155
CMYK	0.00, 0.47, 0.62, 0.00
HSL	14°, 100%, 69%
HSV	14°, 62%, 100%
XYZ	51.9692, 39.1920, 16.3909
YIQ	166.0750, 83.6720, 14.4560

# Conversions

## Conversions Part 2

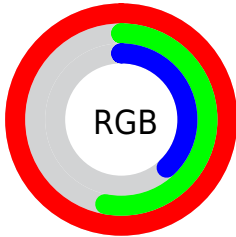
Format	Color
R <sub>Y</sub> B	255, 145, 98
Decimal	16746082
CIE Lab	68.89, 42.95, 39.97
CIE LCh	69, 58.673, 42.940
Yxy	39.1920, 0.4832, 0.3644
Android (android.graphics.Color)	4294936162 (0xFFFF8662)
YUV	166.0750, -33.5610, 77.9872
Hunter-Lab	62.6035, 38.6225, 28.2991

# Details

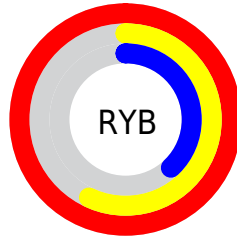
The Yxy color **39.1920, 0.4832, 0.3644** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.4938, 0.2277, 0.2845**, and the grayscale version is **38.3098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8251, 0.4022, 0.3710**, and **17.4526, 0.5314, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **33.8482, 0.5239, 0.3658**, and if you desaturate by 10%, it is **45.7031, 0.4443, 0.3604**.

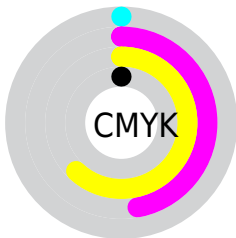
# Distribution



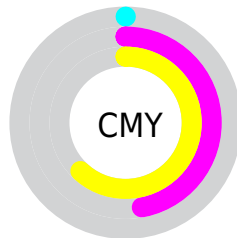
- Red (100%)
- Green (53%)
- Blue (38%)



- Red (100%)
- Yellow (57%)
- Blue (38%)



- Cyan (0%)
- Magenta (47%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (47%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1920, 0.4832, 0.3644 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 39.1920, 0.4832, 0.3644 by changing the saturation by 10% instead.





 39.1920, 0.4832,  
0.3644


 39.1920, 0.4832,  
0.3644


342.7061, 0.3962,  
0.3530


 26.9091, 0.5044,  
0.3648


 73.9315, 0.4517,  
0.3620


 17.5050, 0.5309,  
0.3639


 97.1570, 0.4398,  
0.3605

 10.5952, 0.5644,  
0.3600


 124.7988, 0.4297,  
0.3591

 5.7953, 0.6079,  
0.3505

 157.2412, 0.4211,  
0.3577

 2.7210, 0.6688,  
0.3312

194.8688, 0.4136,  
0.3564

 0.9879, 0.7230,  
0.2770

238.0659, 0.4070,

 0.0000, 1.0000,

0.3552

0.0000

287.2168, 0.4013,  
0.3540

0.0000, 0.0000,  
0.0000

39.1920, 0.4832,  
0.3644

39.1920, 0.4832,  
0.3644

33.8482, 0.5239,  
0.3658

45.7031, 0.4443,  
0.3604

29.5944, 0.5628,  
0.3636

53.4401, 0.4094,  
0.3548

26.3527, 0.5951,  
0.3573

62.4651, 0.3793,  
0.3485

24.3288, 0.6151,  
0.3498

72.8341, 0.3539,  
0.3420

84.5994, 0.3327,  
0.3358

97.8110, 0.3152,  
0.3299

99.9985, 0.3127,  
0.3290

# Harmonies

## Analogous

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



39.1920, 0.4465, 0.3039



39.1920, 0.4832, 0.3644



39.1920, 0.4650, 0.4262

# Triad

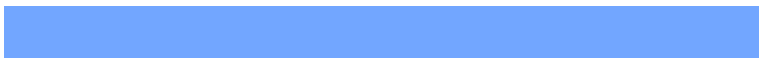
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.1920, 0.4832, 0.3644



39.1920, 0.2481, 0.4301



39.1920, 0.2119, 0.2006

# Complementary

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



39.1920, 0.4832, 0.3644



60.4938, 0.2277, 0.2845

# 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.



39.1920, 0.1749, 0.2126



39.1920, 0.4832, 0.3644



39.1920, 0.1916, 0.3356

# Square

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



39.1920, 0.4832, 0.3644



39.1920, 0.3268, 0.4864



39.1920, 0.1676, 0.2564



39.1920, 0.2788, 0.2149



# Rectangle

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



39.1920, 0.4832, 0.3644



39.1920, 0.4289, 0.4625



39.1920, 0.1676, 0.2564



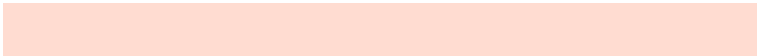
39.1920, 0.1962, 0.2014

# Sweetspot

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



39.1941, 0.4832, 0.3644



76.8550, 0.3459, 0.3398



35.2213, 0.3534, 0.2122



15.7430, 0.3524, 0.3416



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.



39.1941, 0.4832, 0.3644



32.7107, 0.5338, 0.3656



68.4929, 0.4260, 0.4380



18.6623, 0.3289, 0.3345



12.8975, 0.6124, 0.3519



1.4123, 0.5911, 0.3688



# Inverse Universe

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



60.4938, 0.2277, 0.2845



55.3535, 0.2167, 0.2738



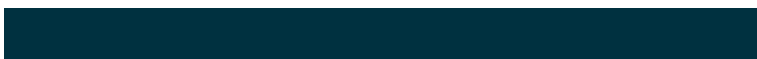
29.3168, 0.2044, 0.1824



19.7339, 0.2980, 0.3234



24.7712, 0.2037, 0.2531



2.5757, 0.2063, 0.2628



# Previews

## White Background



This preview shows how the Yxy color 39.1920, 0.4832, 0.3644 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 39.1920, 0.4832, 0.3644 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 39.1920, 0.4832, 0.3644**

## Background



This preview shows how black text looks on a background with the Yxy color 39.1920, 0.4832, 0.3644.



This preview shows how white text looks on a background with the Yxy color 39.1920, 0.4832, 0.3644.

# 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

39.1920, 0.4832, 0.3644

### Protanopia

39.2202, 0.3779, 0.4072

### Deuteranopia

39.4019, 0.4210, 0.4129



## Tritanopia

39.0893, 0.4413, 0.3201

# Trichromacy



**Original Color**

39.1920, 0.4832, 0.3644

**Protanomaly**

38.3729, 0.4160, 0.3914

**Deuteranomaly**

38.8067, 0.4446, 0.3932

**Tritanomaly**

38.9478, 0.4579, 0.3365

# Monochromacy



**Original Color**

39.1920, 0.4832, 0.3644

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

37.0401, 0.3707, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1920, 0.4832, 0.3644 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1920, 0.4832, 0.3644 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, 98) }
```

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

```
.border{ border-color:rgb(255, 134, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1920, 0.4832, 0.3644 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, 98) }
```

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

```
.background{ background-color: rgb(255,  
134, 98) }
```

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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