

Converting Colors

$Y_{xy}(38.2210, 0.4821, 0.3568)$

Have a look what the booklet for
Yxy(38.2210, 0.4821, 0.3568)
contains.

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Color

Yxy(38.1846, 0.4823, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	FF8266
RGB	255, 130, 102
RGB Percent	100%, 51%, 40%
CMY	0.0001, 0.4901, 0.6000
CMYK	0.00, 0.49, 0.60, 0.00
HSL	11°, 100%, 70%
HSV	11°, 60%, 100%
XYZ	51.6156, 38.1846, 17.2195
YIQ	164.1830, 83.4880, 17.7920

Conversions

Conversions Part 2

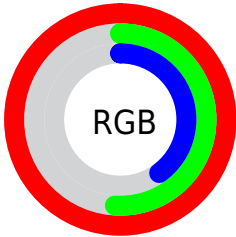
Format	Color
R _Y B	255, 136, 102
Decimal	16745062
CIE Lab	68.16, 45.19, 36.94
CIE LCh	68, 58.364, 39.268
Yxy	38.1846, 0.4823, 0.3568
Android (android.graphics.Color)	4294935142 (0xFFFF8266)
YUV	164.1830, -30.6562, 79.6465
Hunter-Lab	61.7937, 40.9601, 26.7338

Details

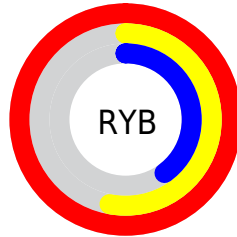
The Yxy color **38.1846, 0.4823, 0.3568** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.9577, 0.2313, 0.2947**, and the grayscale version is **37.3377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2910, 0.3998, 0.3617**, and **16.9116, 0.5313, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **32.7639, 0.5249, 0.3580**, and if you desaturate by 10%, it is **44.8862, 0.4421, 0.3535**.

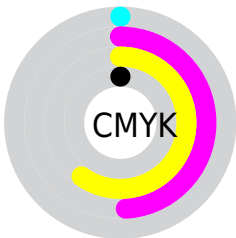
Distribution



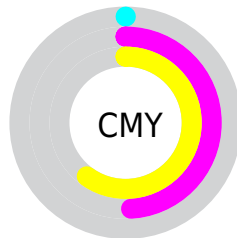
- Red (100%)
- Green (51%)
- Blue (40%)



- Red (100%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (49%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1846, 0.4823, 0.3568 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 38.1846, 0.4823, 0.3568 by changing the saturation by 10% instead.


 38.1846, 0.4823,
0.3568


 38.1846, 0.4823,
0.3568


338.4112, 0.3951,
0.3488


 26.1260, 0.5039,
0.3565


 72.3910, 0.4505,
0.3555


 16.9179, 0.5310,
0.3548


 95.3076, 0.4386,
0.3545

 10.1760, 0.5658,
0.3501


 122.6123, 0.4285,
0.3535

 5.5158, 0.6109,
0.3392

 154.6895, 0.4198,
0.3525

 2.5530, 0.6797,
0.3203

191.9235, 0.4124,
0.3515

 0.9031, 0.7370,
0.2630

234.6989, 0.4059,

 0.0000, 1.0000,

0.3505

0.0000

283.4000, 0.4001,
0.3496

■ 0.0000, 0.0000,
0.0000

■ 38.1846, 0.4823,
0.3568

■ 38.1846, 0.4823,
0.3568

■ 32.7639, 0.5249,
0.3580

■ 44.8862, 0.4421,
0.3535

■ 28.5352, 0.5659,
0.3561

■ 52.9380, 0.4065,
0.3489

■ 25.4075, 0.6000,
0.3508

■ 62.4112, 0.3762,
0.3438

■ 23.2664, 0.6233,
0.3433

■ 73.3705, 0.3508,
0.3387

■ 23.2660, 0.6233,
0.3433

■ 85.8763, 0.3299,
0.3337

99.9859, 0.3127,
0.3290

99.9963, 0.3127,
0.3290

Harmonies

Analogous

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



38.1846, 0.4389, 0.2968



38.1846, 0.4823, 0.3568



38.1846, 0.4703, 0.4190

Triad

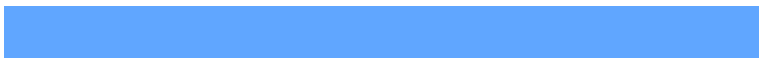
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.1846, 0.4823, 0.3568



38.1846, 0.2568, 0.4406



38.1846, 0.2055, 0.2002

Complementary

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



38.1846, 0.4823, 0.3568



64.9577, 0.2313, 0.2947

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.



38.1846, 0.1720, 0.2157



38.1846, 0.4823, 0.3568



38.1846, 0.1964, 0.3472

Square

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



38.1846, 0.4823, 0.3568



38.1846, 0.3369, 0.4892



38.1846, 0.1684, 0.2640



38.1846, 0.2690, 0.2115

Rectangle

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



38.1846, 0.4823, 0.3568



38.1846, 0.4369, 0.4568



38.1846, 0.1684, 0.2640



38.1846, 0.1910, 0.2022

Sweetspot

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



38.1866, 0.4823, 0.3568



75.7565, 0.3463, 0.3376



36.4428, 0.3440, 0.2083



15.4795, 0.3529, 0.3391



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.



38.1866, 0.4823, 0.3568



31.8299, 0.5334, 0.3579



65.3947, 0.4280, 0.4292



18.5251, 0.3290, 0.3334



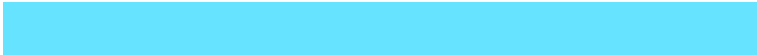
12.3129, 0.6209, 0.3452



1.3368, 0.6010, 0.3610

Inverse Universe

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



64.9577, 0.2313, 0.2947



60.4819, 0.2211, 0.2867



32.8233, 0.2093, 0.1968



19.8822, 0.2980, 0.3245



27.6221, 0.2081, 0.2692



2.8297, 0.2102, 0.2767

Previews

White Background



This preview shows how the Yxy color 38.1846, 0.4823, 0.3568 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 38.1846, 0.4823, 0.3568 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 38.1846, 0.4823, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 38.1846, 0.4823, 0.3568.



This preview shows how white text looks on a background with the Yxy color 38.1846, 0.4823, 0.3568.

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

38.1846, 0.4823, 0.3568

Protanopia

38.2367, 0.3714, 0.3988

Deuteranopia

38.3373, 0.4169, 0.4084



Tritanopia

38.1880, 0.4475, 0.3212

Trichromacy



Original Color

38.1846, 0.4823, 0.3568

Protanomaly

37.1956, 0.4110, 0.3823

Deuteranomaly

37.5912, 0.4422, 0.3873

Tritanomaly

38.1284, 0.4609, 0.3345

Monochromacy



Original Color

38.1846, 0.4823, 0.3568

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.2499, 0.3704, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1846, 0.4823, 0.3568 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, 130, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 102)  
}
```

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, 130, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 102) }
```

Border

The CSS property to change the border of an element to Yxy 38.1846, 0.4823, 0.3568 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, 130, 102) }
```

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

```
.border{ border-color:rgb(255, 130, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1846, 0.4823, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 102) }
```

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

```
.background{ background-color: rgb(255,  
130, 102) }
```

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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