

Converting Colors

$Y_{xy}(38.2933, 0.4886, 0.3640)$

Have a look what the booklet for
Yxy(38.2933, 0.4886, 0.3640)
contains.

Yxy(38.3188, 0.4886, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3188, 0.4886, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	FF835F
RGB	255, 131, 95
RGB Percent	100%, 51%, 37%
CMY	0.0000, 0.4862, 0.6276
CMYK	0.00, 0.49, 0.63, 0.00
HSL	14°, 100%, 69%
HSV	14°, 63%, 100%
XYZ	51.4215, 38.3188, 15.5022
YIQ	163.9720, 85.4600, 15.0920

Conversions

Conversions Part 2

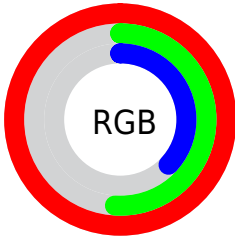
Format	Color
R _Y B	255, 141, 95
Decimal	16745311
CIE Lab	68.25, 44.25, 40.83
CIE LCh	68, 60.211, 42.701
Yxy	38.3188, 0.4886, 0.3641
Android (android.graphics.Color)	4294935391 (0xFFFF835F)
YUV	163.9720, -34.0032, 79.8316
Hunter-Lab	61.9022, 39.9493, 28.4835

Details

The Yxy color **38.3188, 0.4886, 0.3641** 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 **60.2878, 0.2267, 0.2843**, and the grayscale version is **37.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4531, 0.4062, 0.3710**, and **16.9915, 0.5384, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **33.1192, 0.5295, 0.3650**, and if you desaturate by 10%, it is **44.6845, 0.4492, 0.3604**.

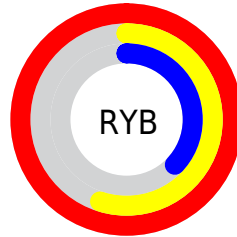
Distribution



Red (100%)

Green (51%)

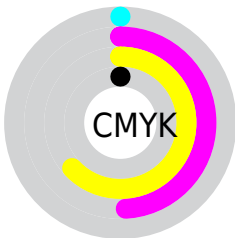
Blue (37%)



Red (100%)

Yellow (55%)

Blue (37%)

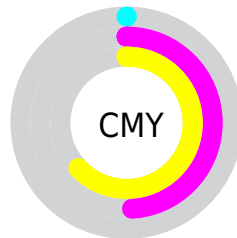


Cyan (0%)

Magenta (49%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3188, 0.4886, 0.3641 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 38.3188, 0.4886, 0.3641 by changing the saturation by 10% instead.


 38.3188, 0.4886,
0.3641

 38.3188, 0.4886,
0.3641


338.9856, 0.3986,
0.3532


 26.2302, 0.5105,
0.3642


 72.5965, 0.4561,
0.3620


 16.9959, 0.5378,
0.3627


 95.5544, 0.4437,
0.3607

 10.2316, 0.5723,
0.3580


 122.9042, 0.4333,
0.3593

 5.5528, 0.6178,
0.3477

 155.0303, 0.4244,
0.3579

 2.5751, 0.6760,
0.3240

192.3171, 0.4166,
0.3566

 0.9142, 0.7326,
0.2674

235.1490, 0.4099,

 0.0000, 1.0000,

0.3554

0.0000

283.9103, 0.4039,
0.3543

0.0000, 0.0000,
0.0000

38.3188, 0.4886,
0.3641

38.3188, 0.4886,
0.3641

33.1192, 0.5295,
0.3650

44.6845, 0.4492,
0.3604

29.0087, 0.5680,
0.3623

52.2788, 0.4136,
0.3551

25.9063, 0.5992,
0.3556

61.1644, 0.3828,
0.3489

24.2298, 0.6158,
0.3492

71.3983, 0.3568,
0.3426

83.0343, 0.3351,
0.3364

96.1231, 0.3171,
0.3305

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.



38.3188, 0.4505, 0.3023



38.3188, 0.4886, 0.3641



38.3188, 0.4696, 0.4277

Triad

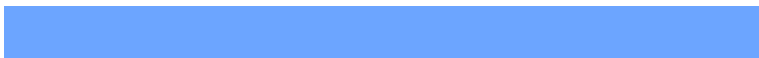
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.3188, 0.4886, 0.3641



38.3188, 0.2464, 0.4347



38.3188, 0.2086, 0.1971

Complementary

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



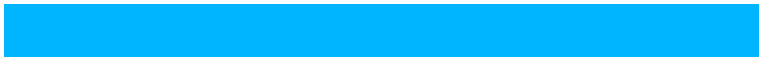
38.3188, 0.4886, 0.3641



60.2878, 0.2267, 0.2843

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.



38.3188, 0.1710, 0.2093



38.3188, 0.4886, 0.3641



38.3188, 0.1882, 0.3362

Square

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



38.3188, 0.4886, 0.3641



38.3188, 0.3273, 0.4924



38.3188, 0.1637, 0.2543



38.3188, 0.2769, 0.2116

Rectangle

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



38.3188, 0.4886, 0.3641



38.3188, 0.4323, 0.4657



38.3188, 0.1637, 0.2543



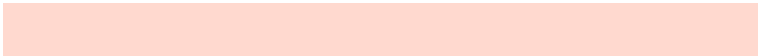
38.3188, 0.1926, 0.1980

Sweetspot

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



38.3201, 0.4886, 0.3641



75.6080, 0.3482, 0.3402



34.6214, 0.3544, 0.2105



15.4942, 0.3547, 0.3420



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.



38.3201, 0.4886, 0.3641



32.1071, 0.5385, 0.3648



68.0084, 0.4283, 0.4395



18.6506, 0.3289, 0.3344



12.8423, 0.6132, 0.3513



1.4055, 0.5920, 0.3681

Inverse Universe

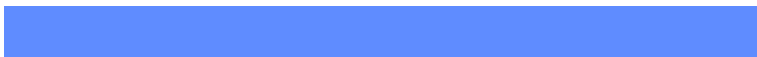
The Inverse Universe completely reimagines the original color for something new.



60.2878, 0.2267, 0.2843



55.3490, 0.2162, 0.2740



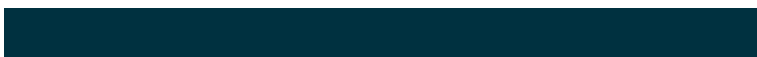
28.4956, 0.2023, 0.1791



19.7465, 0.2980, 0.3235



25.0060, 0.2040, 0.2545



2.5967, 0.2067, 0.2640

Previews

White Background



This preview shows how the Yxy color 38.3188, 0.4886, 0.3641 looks on a white background.

Color Contrast Check

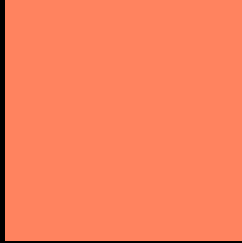
Large Text (above 18pt) WCAG AA × Fail

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 38.3188, 0.4886, 0.3641 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 38.3188, 0.4886, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 38.3188, 0.4886, 0.3641.



This preview shows how white text looks on a background with the Yxy color 38.3188, 0.4886, 0.3641.

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

38.3188, 0.4886, 0.3641

Protanopia

38.5439, 0.3790, 0.4106

Deuteranopia

38.3549, 0.4239, 0.4158



Tritanopia

38.2163, 0.4464, 0.3202

Trichromacy



Original Color

38.3188, 0.4886, 0.3641

Protanomaly

37.5004, 0.4191, 0.3928

Deuteranomaly

37.9382, 0.4488, 0.3954

Tritanomaly

38.0788, 0.4631, 0.3365

Monochromacy



Original Color

38.3188, 0.4886, 0.3641

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.1909, 0.3725, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3188, 0.4886, 0.3641 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, 131, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 95)  
}
```

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, 131, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 95) }
```

Border

The CSS property to change the border of an element to Yxy 38.3188, 0.4886, 0.3641 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, 131, 95) }
```

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

```
.border{ border-color:rgb(255, 131, 95) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3188, 0.4886, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 95) }
```

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

```
.background{ background-color: rgb(255,  
131, 95) }
```

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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