

Converting Colors

$Y_{xy}(45.3830, 0.5161, 0.3574)$

Have a look what the booklet for
Yxy(45.3830, 0.5161, 0.3574)
contains.

Yxy(38.0515, 0.4894, 0.3631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0515, 0.4894, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	FF825F
RGB	255, 130, 95
RGB Percent	100%, 51%, 37%
CMY	0.0000, 0.4902, 0.6276
CMYK	0.00, 0.49, 0.63, 0.00
HSL	13°, 100%, 69%
HSV	13°, 63%, 100%
XYZ	51.2873, 38.0515, 15.4574
YIQ	163.3850, 85.7350, 15.6150

Conversions

Conversions Part 2

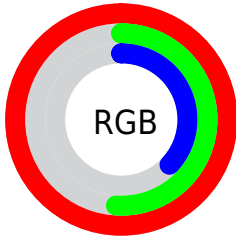
Format	Color
R _Y B	255, 140, 95
Decimal	16745055
CIE Lab	68.06, 44.74, 40.60
CIE LCh	68, 60.413, 42.219
Yxy	38.0515, 0.4894, 0.3631
Android (android.graphics.Color)	4294935135 (0xFFFF825F)
YUV	163.3850, -33.7138, 80.3464
Hunter-Lab	61.6859, 40.4592, 28.3231

Details

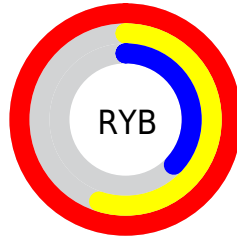
The Yxy color **38.0515, 0.4894, 0.3631** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **60.8095, 0.2270, 0.2856**, and the grayscale version is **36.9492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0332, 0.4066, 0.3700**, and **16.8504, 0.5396, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **32.8676, 0.5306, 0.3640**, and if you desaturate by 10%, it is **44.4157, 0.4497, 0.3596**.

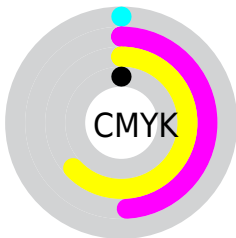
Distribution



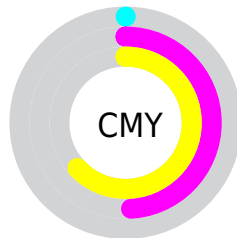
- Red (100%)
- Green (51%)
- Blue (37%)



- 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 38.0515, 0.4894, 0.3631 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 38.0515, 0.4894, 0.3631 by changing the saturation by 10% instead.

 38.0515, 0.4894,
0.3631


 38.0515, 0.4894,
0.3631


337.8408, 0.3989,
0.3527

 26.0227, 0.5115,
0.3631


 72.1871, 0.4566,
0.3612


 16.8406, 0.5390,
0.3614


 95.0626, 0.4442,
0.3599

 10.1209, 0.5738,
0.3564


 122.3225, 0.4337,
0.3586

 5.4792, 0.6199,
0.3458

 154.3511, 0.4248,
0.3573

 2.5311, 0.6786,
0.3214

191.5328, 0.4170,
0.3561

 0.8921, 0.7360,
0.2640

234.2521, 0.4102,

 0.0000, 1.0000,

0.3549

0.0000

282.8933, 0.4042,
0.3538

■ 0.0000, 0.0000,
0.0000

■ 38.0515, 0.4894,
0.3631

■ 38.0515, 0.4894,
0.3631

■ 32.8676, 0.5306,
0.3640

■ 44.4157, 0.4497,
0.3596

■ 28.7841, 0.5693,
0.3612

■ 52.0233, 0.4139,
0.3544

■ 25.7186, 0.6005,
0.3546

■ 60.9384, 0.3830,
0.3484

■ 24.0738, 0.6170,
0.3483

■ 71.2194, 0.3569,
0.3422

■ 82.9211, 0.3351,
0.3362

96.0952, 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.



38.0515, 0.4503, 0.3012



38.0515, 0.4894, 0.3631



38.0515, 0.4710, 0.4270

Triad

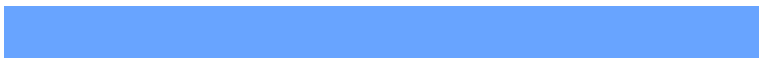
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.0515, 0.4894, 0.3631



38.0515, 0.2471, 0.4368



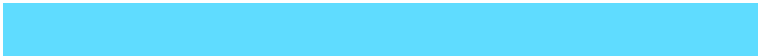
38.0515, 0.2072, 0.1965

Complementary

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



38.0515, 0.4894, 0.3631



60.8095, 0.2270, 0.2856

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.



38.0515, 0.1700, 0.2092



38.0515, 0.4894, 0.3631



38.0515, 0.1883, 0.3378

Square

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



38.0515, 0.4894, 0.3631



38.0515, 0.3286, 0.4938



38.0515, 0.1631, 0.2548



38.0515, 0.2753, 0.2106

Rectangle

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



38.0515, 0.4894, 0.3631



38.0515, 0.4339, 0.4655



38.0515, 0.1631, 0.2548



38.0515, 0.1914, 0.1975

Sweetspot

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



38.0532, 0.4894, 0.3631



75.4520, 0.3482, 0.3399



34.6212, 0.3544, 0.2105



15.4571, 0.3548, 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.



38.0532, 0.4894, 0.3631



31.8608, 0.5396, 0.3637



68.0082, 0.4283, 0.4395



18.6319, 0.3289, 0.3343



12.7567, 0.6144, 0.3503



1.3947, 0.5934, 0.3671

Inverse Universe

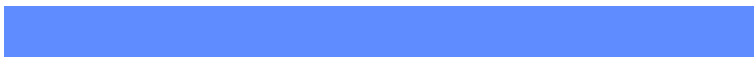
The Inverse Universe completely reimagines the original color for something new.



60.8095, 0.2270, 0.2856



55.9469, 0.2166, 0.2756



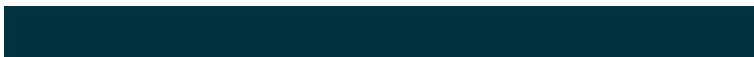
28.4953, 0.2023, 0.1791



19.7666, 0.2980, 0.3237



25.3825, 0.2046, 0.2567



2.6304, 0.2072, 0.2659

Previews

White Background



This preview shows how the Yxy color 38.0515, 0.4894, 0.3631 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 38.0515, 0.4894, 0.3631 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 38.0515, 0.4894, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 38.0515, 0.4894, 0.3631.



This preview shows how white text looks on a background with the Yxy color 38.0515, 0.4894, 0.3631.

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

38.0515, 0.4894, 0.3631

Protanopia

38.2003, 0.3787, 0.4080

Deuteranopia

38.3549, 0.4239, 0.4158



Tritanopia

37.9310, 0.4481, 0.3202

Trichromacy



Original Color

38.0515, 0.4894, 0.3631

Protanomaly

37.1918, 0.4188, 0.3904

Deuteranomaly

37.6231, 0.4496, 0.3942

Tritanomaly

37.7948, 0.4649, 0.3365

Monochromacy



Original Color

38.0515, 0.4894, 0.3631

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7040, 0.3729, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0515, 0.4894, 0.3631 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 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, 130, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 95) }
```

Border

The CSS property to change the border of an element to Yxy 38.0515, 0.4894, 0.3631 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, 95) }
```

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

```
.border{ border-color:rgb(255, 130, 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, 130, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0515, 0.4894, 0.3631 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, 95) }
```

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

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