

Converting Colors

$Y_{xy}(37.5198, 0.4909, 0.3610)$

Have a look what the booklet for
Yxy(37.5198, 0.4909, 0.3610)
contains.

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Color

Yxy(37.5246, 0.4910, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	FF805F
RGB	255, 128, 95
RGB Percent	100%, 50%, 37%
CMY	0.0000, 0.4980, 0.6276
CMYK	0.00, 0.50, 0.63, 0.00
HSL	12°, 100%, 69%
HSV	12°, 63%, 100%
XYZ	51.0235, 37.5246, 15.3694
YIQ	162.2110, 86.2850, 16.6610

Conversions

Conversions Part 2

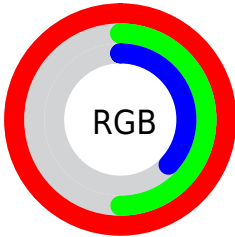
Format	Color
R_{YB}	255, 137, 95
Decimal	16744543
CIE Lab	67.67, 45.72, 40.12
CIE LCh	68, 60.829, 41.268
Yxy	37.5246, 0.4910, 0.3611
Android (android.graphics.Color)	4294934623 (0xFFFF805F)
YUV	162.2110, -33.1350, 81.3760
Hunter-Lab	61.2573, 41.4789, 28.0043

Details

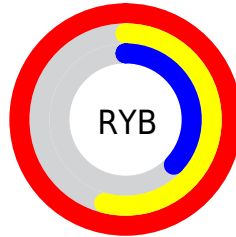
The Yxy color **37.5246, 0.4910, 0.3611** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **61.8642, 0.2276, 0.2881**, and the grayscale version is **36.3633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2023, 0.4076, 0.3680**, and **16.5748, 0.5420, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **32.3735, 0.5327, 0.3618**, and if you desaturate by 10%, it is **43.8835, 0.4508, 0.3578**.

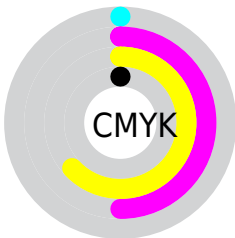
Distribution



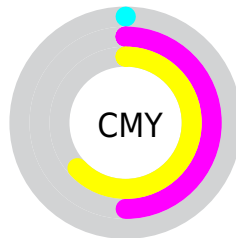
- Red (100%)
- Green (50%)
- Blue (37%)



- Red (100%)
- Yellow (54%)
- Blue (37%)



- Cyan (0%)
- Magenta (50%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5246, 0.4910, 0.3611 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 37.5246, 0.4910, 0.3611 by changing the saturation by 10% instead.


 37.5246, 0.4910,
0.3611


 37.5246, 0.4910,
0.3611


335.5762, 0.3994,
0.3518


 25.6139, 0.5134,
0.3608


 71.3789, 0.4578,
0.3596

 16.5350, 0.5414,
0.3588


 94.0913, 0.4452,
0.3584

 9.9035, 0.5768,
0.3533


 121.1731, 0.4346,
0.3572

 5.3351, 0.6241,
0.3420

 153.0086, 0.4255,
0.3561

 2.4452, 0.6837,
0.3163

189.9823, 0.4177,
0.3549

 0.8490, 0.7428,
0.2572

232.4785, 0.4108,

 0.0000, 1.0000,

0.3538

0.0000

280.8817, 0.4048,
0.3528

■ 0.0000, 0.0000,
0.0000

■ 37.5246, 0.4910,
0.3611

■ 37.5246, 0.4910,
0.3611

■ 32.3735, 0.5327,
0.3618

■ 43.8835, 0.4508,
0.3578

■ 28.3463, 0.5717,
0.3590

■ 51.5157, 0.4146,
0.3529

■ 25.3565, 0.6030,
0.3525

■ 60.4885, 0.3834,
0.3473

■ 23.7759, 0.6193,
0.3465

■ 70.8626, 0.3571,
0.3415

■ 82.6952, 0.3352,
0.3358

96.0402, 0.3171,
0.3304

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.



37.5246, 0.4497, 0.2989



37.5246, 0.4910, 0.3611



37.5246, 0.4739, 0.4256

Triad

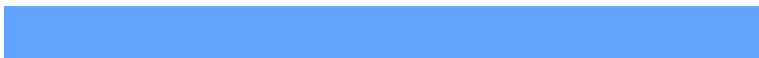
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.5246, 0.4910, 0.3611



37.5246, 0.2487, 0.4410



37.5246, 0.2045, 0.1952

Complementary

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



37.5246, 0.4910, 0.3611



61.8642, 0.2276, 0.2881

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.



37.5246, 0.1680, 0.2089



37.5246, 0.4910, 0.3611



37.5246, 0.1884, 0.3409

Square

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



37.5246, 0.4910, 0.3611



37.5246, 0.3313, 0.4965



37.5246, 0.1620, 0.2560



37.5246, 0.2722, 0.2087

Rectangle

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



37.5246, 0.4910, 0.3611



37.5246, 0.4370, 0.4650



37.5246, 0.1620, 0.2560



37.5246, 0.1889, 0.1965

Sweetspot

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



37.5265, 0.4910, 0.3611



75.1404, 0.3483, 0.3393



34.7637, 0.3515, 0.2084



15.3830, 0.3549, 0.3409



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.



37.5265, 0.4910, 0.3611



31.3775, 0.5418, 0.3615



66.7047, 0.4301, 0.4373



18.5947, 0.3289, 0.3340



12.5929, 0.6168, 0.3485



1.3737, 0.5961, 0.3649

Inverse Universe

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



61.8642, 0.2276, 0.2881



57.1578, 0.2174, 0.2788



29.2862, 0.2031, 0.1826



19.8068, 0.2980, 0.3240



26.1482, 0.2059, 0.2611



2.6987, 0.2083, 0.2697

Previews

White Background



This preview shows how the Yxy color 37.5246, 0.4910, 0.3611 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 37.5246, 0.4910, 0.3611 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 37.5246, 0.4910, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 37.5246, 0.4910, 0.3611.



This preview shows how white text looks on a background with the Yxy color 37.5246, 0.4910, 0.3611.

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

37.5246, 0.4910, 0.3611

Protanopia

37.5981, 0.3771, 0.4074

Deuteranopia

37.7315, 0.4226, 0.4154



Tritanopia

37.6207, 0.4510, 0.3213

Trichromacy



Original Color

37.5246, 0.4910, 0.3611



Protanomaly

36.7213, 0.4185, 0.3895



Deuteranomaly

36.9949, 0.4485, 0.3938



Tritanomaly

37.5136, 0.4667, 0.3365

Monochromacy



Original Color

37.5246, 0.4910, 0.3611



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

35.3834, 0.3733, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5246, 0.4910, 0.3611 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, 128, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 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, 128, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 95) }
```

Border

The CSS property to change the border of an element to Yxy 37.5246, 0.4910, 0.3611 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, 128, 95) }
```

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

```
.border{ border-color:rgb(255, 128, 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, 128, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5246, 0.4910, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 95) }
```

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

```
.background{ background-color: rgb(255,  
128, 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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