

Converting Colors

Yxy(37.9158, 0.4812, 0.3682)

Have a look what the booklet for
Yxy(37.9158, 0.4812, 0.3682)
contains.

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Color

Yxy(38.0162, 0.4811, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	F9865F
RGB	249, 134, 95
RGB Percent	98%, 53%, 37%
CMY	0.0235, 0.4745, 0.6275
CMYK	0.00, 0.46, 0.62, 0.02
HSL	15°, 93%, 67%
HSV	15°, 62%, 98%
XYZ	49.6595, 38.0162, 15.5450
YIQ	163.9390, 81.0590, 12.2510

Conversions

Conversions Part 2

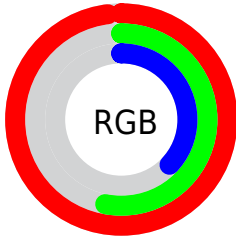
Format	Color
RYB	249, 147, 95
Decimal	16352863
CIELab	68.03, 40.50, 40.35
CIElCh	68, 57.172, 44.897
Yxy	38.0162, 0.4811, 0.3683
Android (android.graphics.Color)	4294542943 (0xFFFF9865F)
YUV	163.9390, -33.9869, 74.5985
Hunter-Lab	61.6573, 35.8658, 28.2119

Details

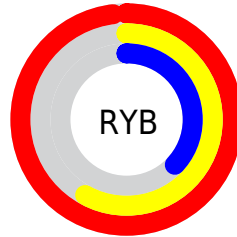
The Yxy color **38.0162, 0.4811, 0.3683** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **55.3649, 0.2264, 0.2794**, and the grayscale version is **37.2306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7305, 0.4047, 0.3741**, and **16.8046, 0.5281, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **32.9395, 0.5207, 0.3700**, and if you desaturate by 10%, it is **44.1453, 0.4432, 0.3638**.

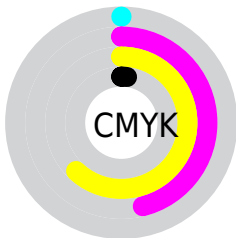
Distribution



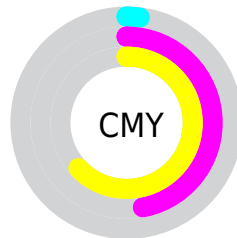
- Red (98%)
- Green (53%)
- Blue (37%)



- Red (98%)
- Yellow (58%)
- Blue (37%)



- Cyan (0%)
- Magenta (46%)
- Yellow (62%)
- Black (2%)





- Cyan (2%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0162, 0.4811, 0.3683 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 38.0162, 0.4811, 0.3683 by changing the saturation by 10% instead.


 38.0162, 0.4811,
0.3683


 38.0162, 0.4811,
0.3683


337.6895, 0.3948,
0.3548


 25.9953, 0.5022,
0.3692


 72.1330, 0.4498,
0.3651


 16.8201, 0.5286,
0.3688


 94.9976, 0.4380,
0.3634

 10.1063, 0.5620,
0.3655


 122.2456, 0.4280,
0.3617

 5.4695, 0.6064,
0.3571

 154.2613, 0.4194,
0.3601

 2.5253, 0.6639,
0.3361

191.4291, 0.4120,
0.3586

 0.8893, 0.7189,
0.2811

234.1335, 0.4055,

 0.0000, 1.0000,

0.3572

0.0000

282.7588, 0.3998,
0.3559

0.0000, 0.0000,
0.0000

38.0162, 0.4811,
0.3683

38.0162, 0.4811,
0.3683

32.9395, 0.5207,
0.3700

44.1453, 0.4432,
0.3638

28.8474, 0.5586,
0.3679

51.3769, 0.4090,
0.3576

25.6730, 0.5904,
0.3614

59.7654, 0.3794,
0.3507

23.7039, 0.6099,
0.3539

69.3593, 0.3543,
0.3435

80.2045, 0.3332,
0.3366

 92.3445, 0.3156,
0.3302

 98.8812, 0.3090,
0.3290

Harmonies

Analogous

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



38.0162, 0.4484, 0.3082



38.0162, 0.4811, 0.3683



38.0162, 0.4602, 0.4290

Triad

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



38.0162, 0.4811, 0.3683



38.0162, 0.2447, 0.4228



38.0162, 0.2168, 0.2024

Complementary

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



38.0162, 0.4811, 0.3683



55.3649, 0.2264, 0.2794

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.



38.0162, 0.1781, 0.2125



38.0162, 0.4811, 0.3683



38.0162, 0.1907, 0.3297

Square

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



38.0162, 0.4811, 0.3683



38.0162, 0.3215, 0.4821



38.0162, 0.1690, 0.2537



38.0162, 0.2845, 0.2181

Rectangle

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



38.0162, 0.4811, 0.3683



38.0162, 0.4233, 0.4638



38.0162, 0.1690, 0.2537



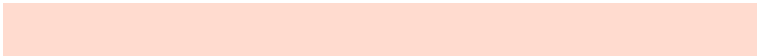
38.0162, 0.2005, 0.2027

Sweetspot

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



38.0182, 0.4811, 0.3683



76.3130, 0.3479, 0.3416



33.0027, 0.3594, 0.2162



15.6620, 0.3543, 0.3436



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.



38.0182, 0.4811, 0.3683



33.7129, 0.5295, 0.3699



67.3098, 0.4229, 0.4427



17.9395, 0.3288, 0.3351



12.8776, 0.6072, 0.3561



1.3544, 0.5843, 0.3742

Inverse Universe

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



55.3649, 0.2264, 0.2794



53.1138, 0.2151, 0.2677



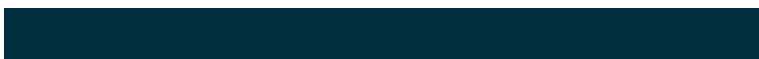
26.1840, 0.2024, 0.1751



18.8204, 0.2980, 0.3229



22.6829, 0.2013, 0.2447



2.2696, 0.2044, 0.2559

Previews

White Background



This preview shows how the Yxy color 38.0162, 0.4811, 0.3683 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 38.0162, 0.4811, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

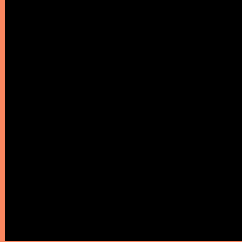
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0162, 0.4811, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 38.0162, 0.4811, 0.3683.



This preview shows how white text looks on a background with the Yxy color 38.0162, 0.4811, 0.3683.

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

38.0162, 0.4811, 0.3683

Protanopia

38.1577, 0.3804, 0.4107

Deuteranopia

37.8884, 0.4228, 0.4139



Tritanopia

37.9688, 0.4407, 0.3190

Trichromacy



Original Color

38.0162, 0.4811, 0.3683

Protanomaly

37.2123, 0.4171, 0.3933

Deuteranomaly

37.4832, 0.4450, 0.3953

Tritanomaly

37.8796, 0.4571, 0.3377

Monochromacy



Original Color

38.0162, 0.4811, 0.3683

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.2486, 0.3700, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0162, 0.4811, 0.3683 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(249, 134, 95)` looks like.

```
.text, #text, p{  
    color:rgb(249, 134, 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(249, 134, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 134, 95) }
```

Border

The CSS property to change the border of an element to Yxy 38.0162, 0.4811, 0.3683 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(249, 134, 95) }
```

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

```
.border{ border-color:rgb(249, 134, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 134, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 134, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 134, 95);  
box-shadow:4px 4px 4px 4px rgb(249, 134,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0162, 0.4811, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 134, 95) }
```

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

```
.background{ background-color: rgb(249,  
134, 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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