

Converting Colors

$Y_{xy}(38.8407, 0.4905, 0.3758)$

Have a look what the booklet for
Yxy(38.8407, 0.4905, 0.3758)
contains.

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Color

Yxy(38.7115, 0.4903, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	FC8757
RGB	252, 135, 87
RGB Percent	99%, 53%, 34%
CMY	0.0117, 0.4706, 0.6589
CMYK	0.00, 0.46, 0.65, 0.01
HSL	17°, 97%, 66%
HSV	17°, 65%, 99%
XYZ	50.5331, 38.7115, 13.8211
YIQ	164.5110, 85.1400, 9.8760

Conversions

Conversions Part 2

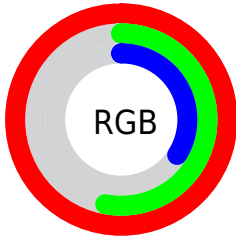
Format	Color
RYB	252, 155, 87
Decimal	16549719
CIELab	68.54, 40.65, 45.25
CIELCh	69, 60.828, 48.062
Yxy	38.7115, 0.4903, 0.3756
Android (android.graphics.Color)	4294739799 (0xFFFC8757)
YUV	164.5110, -38.2129, 76.7279
Hunter-Lab	62.2186, 36.0930, 30.3824

Details

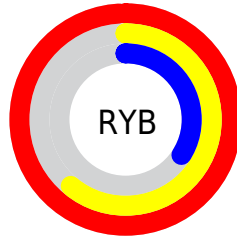
The Yxy color **38.7115, 0.4903, 0.3756** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **52.2406, 0.2207, 0.2675**, and the grayscale version is **37.5361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9219, 0.4108, 0.3832**, and **17.2801, 0.5377, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **33.7963, 0.5281, 0.3766**, and if you desaturate by 10%, it is **44.6113, 0.4531, 0.3712**.

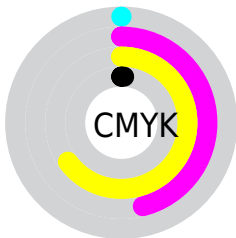
Distribution



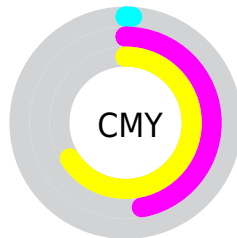
- Red (99%)
- Green (53%)
- Blue (34%)



- Red (99%)
- Yellow (61%)
- Blue (34%)



- Cyan (0%)
- Magenta (46%)
- Yellow (65%)
- Black (1%)





- Cyan (1%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7115, 0.4903, 0.3756 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 38.7115, 0.4903, 0.3756 by changing the saturation by 10% instead.


 38.7115, 0.4903,
0.3756


 38.7115, 0.4903,
0.3756

340.6624, 0.4002,
0.3596

 26.5354, 0.5118,
0.3766


 73.1974, 0.4580,
0.3719

 17.2246, 0.5383,
0.3762


 96.2759, 0.4457,
0.3698

 10.3947, 0.5710,
0.3723


 123.7574, 0.4352,
0.3678

 5.6615, 0.6172,
0.3650

 156.0262, 0.4262,
0.3660

 2.6403, 0.6623,
0.3377

 193.4667, 0.4184,
0.3642

 0.9470, 0.7160,
0.2840

236.4633, 0.4116,

 0.0000, 1.0000,

0.3625

0.0000

285.4004, 0.4056,
0.3610

■ 0.0000, 0.0000,
0.0000

■ 38.7115, 0.4903,
0.3756

■ 38.7115, 0.4903,
0.3756

■ 33.7963, 0.5281,
0.3766

■ 44.6113, 0.4531,
0.3712

■ 29.8022, 0.5630,
0.3732

■ 51.5420, 0.4188,
0.3645


■ 26.6665, 0.5912,
0.3650


■ 59.5538, 0.3884,
0.3568

■ 25.5062, 0.6016,
0.3606

■ 68.6918, 0.3623,
0.3486

■ 78.9986, 0.3402,
0.3406

 90.5143, 0.3216,
0.3330

 99.4386, 0.3109,
0.3290

Harmonies

Analogous

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



38.7115, 0.4625, 0.3128



38.7115, 0.4903, 0.3756



38.7115, 0.4620, 0.4390

Triad

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



38.7115, 0.4903, 0.3756



38.7115, 0.2332, 0.4189



38.7115, 0.2180, 0.1971

Complementary

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



38.7115, 0.4903, 0.3756



52.2406, 0.2207, 0.2675

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.



38.7115, 0.1747, 0.2042



38.7115, 0.4903, 0.3756



38.7115, 0.1806, 0.3190

Square

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



38.7115, 0.4903, 0.3756



38.7115, 0.3120, 0.4886



38.7115, 0.1619, 0.2429



38.7115, 0.2918, 0.2161

Rectangle

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



38.7115, 0.4903, 0.3756



38.7115, 0.4205, 0.4750



38.7115, 0.1619, 0.2429



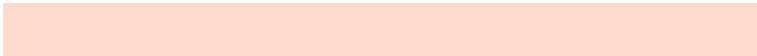
38.7115, 0.2001, 0.1964

Sweetspot

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



38.7136, 0.4903, 0.3756



76.1983, 0.3498, 0.3442



31.9321, 0.3696, 0.2161



15.6792, 0.3561, 0.3465



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.



38.7136, 0.4903, 0.3756



33.1460, 0.5411, 0.3759



70.6309, 0.4255, 0.4520



18.0478, 0.3287, 0.3360



13.5035, 0.5986, 0.3629



1.4248, 0.5754, 0.3813

Inverse Universe

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



52.2406, 0.2207, 0.2675



47.6476, 0.2086, 0.2524



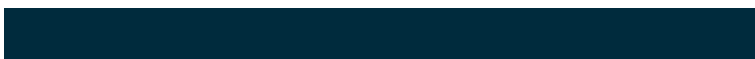
23.1559, 0.1945, 0.1578



18.7054, 0.2980, 0.3219



20.6557, 0.1976, 0.2312



2.0956, 0.2012, 0.2443

Previews

White Background



This preview shows how the Yxy color 38.7115, 0.4903, 0.3756 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 38.7115, 0.4903, 0.3756 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 38.7115, 0.4903, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 38.7115, 0.4903, 0.3756.



This preview shows how white text looks on a background with the Yxy color 38.7115, 0.4903, 0.3756.

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

38.7115, 0.4903, 0.3756

Protanopia

39.0775, 0.3900, 0.4236

Deuteranopia

39.0162, 0.4317, 0.4229



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.7115, 0.4903, 0.3756

Protanomaly

38.1404, 0.4269, 0.4050

Deuteranomaly

38.4613, 0.4532, 0.4044

Tritanomaly

38.6353, 0.4626, 0.3416

Monochromacy



Original Color

38.7115, 0.4903, 0.3756

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.7877, 0.3738, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7115, 0.4903, 0.3756 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(252, 135, 87)` looks like.

```
.text, #text, p{  
    color:rgb(252, 135, 87)  
}
```

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(252, 135, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 135, 87) }
```

Border

The CSS property to change the border of an element to Yxy 38.7115, 0.4903, 0.3756 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(252, 135, 87) }
```

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

```
.border{ border-color:rgb(252, 135, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 135, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 135, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 135, 87);  
box-shadow:4px 4px 4px 4px rgb(252, 135,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7115, 0.4903, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 135, 87) }
```

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

```
.background{ background-color: rgb(252,  
135, 87) }
```

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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