

Converting Colors

$Y_{xy}(38.6098, 0.4972, 0.3749)$

Have a look what the booklet for
Yxy(38.6098, 0.4972, 0.3749)
contains.

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Color

Yxy(38.6752, 0.4971, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	FF8554
RGB	255, 133, 84
RGB Percent	100%, 52%, 33%
CMY	0.0000, 0.4784, 0.6706
CMYK	0.00, 0.48, 0.67, 0.00
HSL	17°, 100%, 66%
HSV	17°, 67%, 100%
XYZ	51.2269, 38.6752, 13.1494
YIQ	163.8920, 88.4410, 10.6250

Conversions

Conversions Part 2

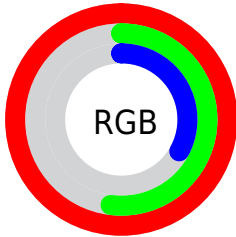
Format	Color
RYB	255, 153, 84
Decimal	16745812
CIELab	68.52, 42.61, 46.86
CIELCh	69, 63.336, 47.717
Yxy	38.6752, 0.4971, 0.3753
Android (android.graphics.Color)	4294935892 (0xFFFF8554)
YUV	163.8920, -39.3868, 79.9017
Hunter-Lab	62.1894, 38.2032, 30.9963

Details

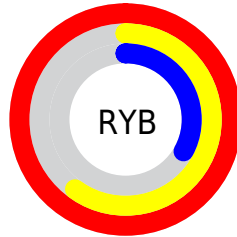
The Yxy color **38.6752, 0.4971, 0.3753** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **53.2338, 0.2193, 0.2667**, and the grayscale version is **37.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9757, 0.4142, 0.3841**, and **17.0712, 0.5460, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **33.7906, 0.5349, 0.3756**, and if you desaturate by 10%, it is **44.5718, 0.4594, 0.3714**.

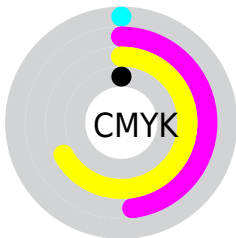
Distribution



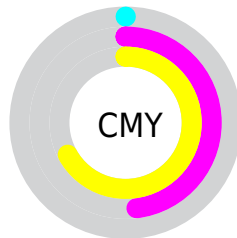
- Red (100%)
- Green (52%)
- Blue (33%)



- Red (100%)
- Yellow (60%)
- Blue (33%)



- Cyan (0%)
- Magenta (48%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6752, 0.4971, 0.3753 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 38.6752, 0.4971, 0.3753 by changing the saturation by 10% instead.


 38.6752, 0.4971,
0.3753


 38.6752, 0.4971,
0.3753

340.5076, 0.4039,
0.3602

 26.5071, 0.5192,
0.3759


 73.1419, 0.4638,
0.3721

 17.2034, 0.5462,
0.3747


 96.2093, 0.4510,
0.3702

 10.3796, 0.5794,
0.3698


 123.6786, 0.4402,
0.3683

 5.6514, 0.6278,
0.3619

 155.9342, 0.4309,
0.3664

 2.6343, 0.6692,
0.3308

 193.3605, 0.4227,
0.3647

 0.9439, 0.7242,
0.2758

236.3419, 0.4157,

 0.0000, 1.0000,

0.3631

0.0000

285.2628, 0.4094,
0.3616

■ 0.0000, 0.0000,
0.0000

■ 38.6752, 0.4971,
0.3753

■ 38.6752, 0.4971,
0.3753

■ 33.7906, 0.5349,
0.3756

■ 44.5718, 0.4594,
0.3714

■ 29.8506, 0.5691,
0.3713

■ 51.5295, 0.4243,
0.3652

■ 26.7876, 0.5960,
0.3625

■ 59.6016, 0.3932,
0.3576

■ 26.0379, 0.6027,
0.3597

■ 68.8355, 0.3663,
0.3496

■ 79.2761, 0.3435,
0.3417

 90.9657, 0.3243,
0.3341

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



38.6752, 0.4680, 0.3109



38.6752, 0.4971, 0.3753



38.6752, 0.4675, 0.4411

Triad

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



38.6752, 0.4971, 0.3753



38.6752, 0.2306, 0.4242



38.6752, 0.2139, 0.1928

Complementary

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



38.6752, 0.4971, 0.3753



53.2338, 0.2193, 0.2667

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.



38.6752, 0.1699, 0.2001



38.6752, 0.4971, 0.3753



38.6752, 0.1762, 0.3192

Square

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



38.6752, 0.4971, 0.3753



38.6752, 0.3122, 0.4964



38.6752, 0.1570, 0.2399



38.6752, 0.2897, 0.2120

Rectangle

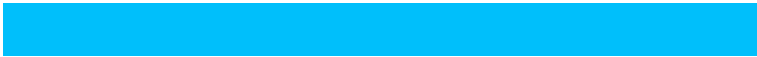
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6752, 0.4971, 0.3753



38.6752, 0.4244, 0.4793



38.6752, 0.1570, 0.2399



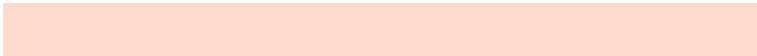
38.6752, 0.1956, 0.1920

Sweetspot

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



38.6773, 0.4971, 0.3753



76.0848, 0.3498, 0.3440



32.0807, 0.3715, 0.2143



15.6523, 0.3561, 0.3462



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.



38.6773, 0.4971, 0.3753



32.5392, 0.5455, 0.3748



72.0138, 0.4281, 0.4540



18.8351, 0.3287, 0.3359



13.8247, 0.5998, 0.3620



1.5232, 0.5777, 0.3795

Inverse Universe

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



53.2338, 0.2193, 0.2667



47.6382, 0.2082, 0.2525



22.7881, 0.1918, 0.1531



19.5498, 0.2980, 0.3220



21.5006, 0.1980, 0.2326



2.2805, 0.2014, 0.2450

Previews

White Background



This preview shows how the Yxy color 38.6752, 0.4971, 0.3753 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 38.6752, 0.4971, 0.3753 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 38.6752, 0.4971, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 38.6752, 0.4971, 0.3753.



This preview shows how white text looks on a background with the Yxy color 38.6752, 0.4971, 0.3753.

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

38.6752, 0.4971, 0.3753

Protanopia

39.0401, 0.3916, 0.4261

Deuteranopia

38.6117, 0.4356, 0.4257



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.6752, 0.4971, 0.3753

Protanomaly

37.9170, 0.4304, 0.4057

Deuteranomaly

38.2392, 0.4583, 0.4067

Tritanomaly

38.5333, 0.4652, 0.3415

Monochromacy



Original Color

38.6752, 0.4971, 0.3753

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.4021, 0.3763, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6752, 0.4971, 0.3753 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, 133, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 84)  
}
```

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, 133, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 84) }
```

Border

The CSS property to change the border of an element to Yxy 38.6752, 0.4971, 0.3753 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, 133, 84) }
```

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

```
.border{ border-color:rgb(255, 133, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6752, 0.4971, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 84) }
```

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

```
.background{ background-color: rgb(255,  
133, 84) }
```

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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