

Converting Colors

$Y_{xy}(38.3275, 0.4819, 0.3573)$

Have a look what the booklet for
Yxy(38.3275, 0.4819, 0.3573)
contains.

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Color

Yxy(38.4519, 0.4816, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	FF8366
RGB	255, 131, 102
RGB Percent	100%, 51%, 40%
CMY	0.0000, 0.4863, 0.6001
CMYK	0.00, 0.49, 0.60, 0.00
HSL	11°, 100%, 70%
HSV	11°, 60%, 100%
XYZ	51.7564, 38.4519, 17.2593
YIQ	164.7700, 83.2130, 17.2690

Conversions

Conversions Part 2

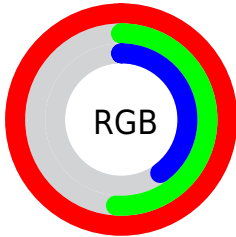
Format	Color
R _Y B	255, 138, 102
Decimal	16745318
CIE Lab	68.35, 44.71, 37.20
CIE LCh	68, 58.161, 39.757
Yxy	38.4519, 0.4816, 0.3578
Android (android.graphics.Color)	4294935398 (0xFFFF8366)
YUV	164.7700, -30.9456, 79.1317
Hunter-Lab	62.0096, 40.4685, 26.9044

Details

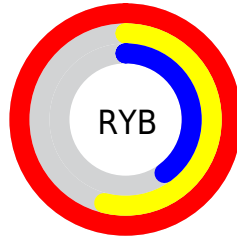
The Yxy color **38.4519, 0.4816, 0.3578** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.4249, 0.2310, 0.2935**, and the grayscale version is **37.6310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7109, 0.3994, 0.3628**, and **17.0526, 0.5301, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **33.0137, 0.5239, 0.3591**, and if you desaturate by 10%, it is **45.1532, 0.4417, 0.3544**.

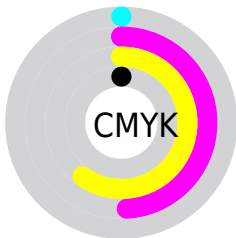
Distribution



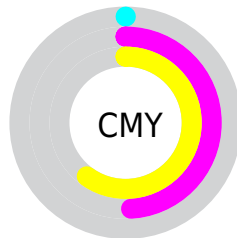
- Red (100%)
- Green (51%)
- Blue (40%)



- Red (100%)
- Yellow (54%)
- Blue (40%)



- Cyan (0%)
- Magenta (49%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4519, 0.4816, 0.3578 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 38.4519, 0.4816, 0.3578 by changing the saturation by 10% instead.


 38.4519, 0.4816,
0.3578


 38.4519, 0.4816,
0.3578


339.5545, 0.3948,
0.3493


 26.3336, 0.5030,
0.3577


 72.8003, 0.4500,
0.3563

 17.0734, 0.5300,
0.3561

 95.7991, 0.4381,
0.3553

 10.2868, 0.5644,
0.3516


 123.1936, 0.4281,
0.3542

 5.5895, 0.6090,
0.3411

 155.3681, 0.4195,
0.3531

 2.5971, 0.6772,
0.3228

192.7071, 0.4121,
0.3521

 0.9252, 0.7337,
0.2663

235.5949, 0.4056,

 0.0000, 1.0000,

0.3511

0.0000

284.4159, 0.3999,
0.3502

0.0000, 0.0000,
0.0000

38.4519, 0.4816,
0.3578

38.4519, 0.4816,
0.3578

33.0137, 0.5239,
0.3591

45.1532, 0.4417,
0.3544

28.7565, 0.5647,
0.3572

53.1901, 0.4063,
0.3496

25.5899, 0.5988,
0.3518

62.6309, 0.3760,
0.3444

23.4037, 0.6222,
0.3442

73.5387, 0.3508,
0.3390

85.9728, 0.3299,
0.3338

99.9892, 0.3127,
0.3290

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.



38.4519, 0.4393, 0.2979



38.4519, 0.4816, 0.3578



38.4519, 0.4689, 0.4197

Triad

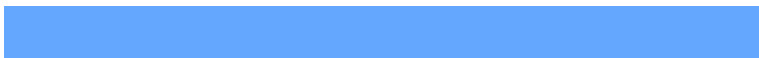
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.4519, 0.4816, 0.3578



38.4519, 0.2559, 0.4386



38.4519, 0.2068, 0.2008

Complementary

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



38.4519, 0.4816, 0.3578



64.4249, 0.2310, 0.2935

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.



38.4519, 0.1729, 0.2158



38.4519, 0.4816, 0.3578



38.4519, 0.1963, 0.3456

Square

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



38.4519, 0.4816, 0.3578



38.4519, 0.3355, 0.4880



38.4519, 0.1689, 0.2633



38.4519, 0.2705, 0.2125

Rectangle

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



38.4519, 0.4816, 0.3578



38.4519, 0.4353, 0.4571



38.4519, 0.1689, 0.2633



38.4519, 0.1922, 0.2026

Sweetspot

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



38.4522, 0.4816, 0.3578



75.9103, 0.3463, 0.3379



36.3022, 0.3467, 0.2103



15.5163, 0.3529, 0.3395



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.



38.4522, 0.4816, 0.3578



32.0738, 0.5323, 0.3590



66.6240, 0.4264, 0.4314



18.5444, 0.3290, 0.3336



12.3871, 0.6198, 0.3460



1.3468, 0.5997, 0.3620

Inverse Universe

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



64.4249, 0.2310, 0.2935



59.8550, 0.2207, 0.2852



31.9962, 0.2085, 0.1934



19.8613, 0.2980, 0.3244



27.2079, 0.2075, 0.2669



2.7930, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 38.4519, 0.4816, 0.3578 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 38.4519, 0.4816, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

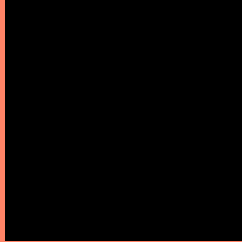
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4519, 0.4816, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 38.4519, 0.4816, 0.3578.



This preview shows how white text looks on a background with the Yxy color 38.4519, 0.4816, 0.3578.

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

38.4519, 0.4816, 0.3578

Protanopia

38.6017, 0.3710, 0.4001

Deuteranopia

38.3559, 0.4160, 0.4072



Tritanopia

38.4759, 0.4458, 0.3212

Trichromacy



Original Color

38.4519, 0.4816, 0.3578

Protanomaly

37.5243, 0.4104, 0.3835

Deuteranomaly

37.9253, 0.4405, 0.3874

Tritanomaly

38.4157, 0.4591, 0.3345

Monochromacy



Original Color

38.4519, 0.4816, 0.3578

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.7412, 0.3701, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4519, 0.4816, 0.3578 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, 131, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 102)  
}
```

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, 131, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 102) }
```

Border

The CSS property to change the border of an element to Yxy 38.4519, 0.4816, 0.3578 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, 131, 102) }
```

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

```
.border{ border-color:rgb(255, 131, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4519, 0.4816, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 102) }
```

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

```
.background{ background-color: rgb(255,  
131, 102) }
```

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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