

Converting Colors

$Y_{xy}(44.3145, 0.5116, 0.3567)$

Have a look what the booklet for
Yxy(44.3145, 0.5116, 0.3567)
contains.

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Color

Yxy(38.0698, 0.4884, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	FF8260
RGB	255, 130, 96
RGB Percent	100%, 51%, 38%
CMY	0.0000, 0.4902, 0.6236
CMYK	0.00, 0.49, 0.62, 0.00
HSL	13°, 100%, 69%
HSV	13°, 62%, 100%
XYZ	51.3343, 38.0698, 15.7030
YIQ	163.4990, 85.4140, 15.9260

Conversions

Conversions Part 2

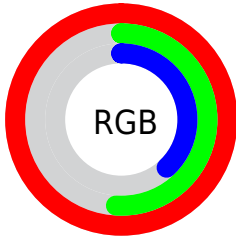
Format	Color
R _Y B	255, 139, 96
Decimal	16745056
CIE Lab	68.07, 44.81, 40.07
CIE LCh	68, 60.110, 41.805
Yxy	38.0698, 0.4884, 0.3622
Android (android.graphics.Color)	4294935136 (0xFFFF8260)
YUV	163.4990, -33.2770, 80.2464
Hunter-Lab	61.7007, 40.5337, 28.1010

Details

The Yxy color **38.0698, 0.4884, 0.3622** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.4028, 0.2276, 0.2869**, and the grayscale version is **37.0044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0645, 0.4058, 0.3690**, and **16.8586, 0.5385, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **32.8522, 0.5298, 0.3631**, and if you desaturate by 10%, it is **44.4807, 0.4486, 0.3587**.

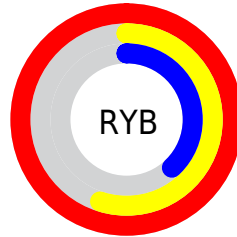
Distribution



Red (100%)

Green (51%)

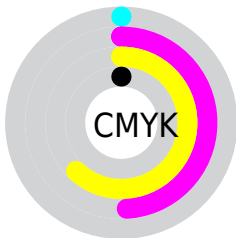
Blue (38%)



Red (100%)

Yellow (55%)

Blue (38%)

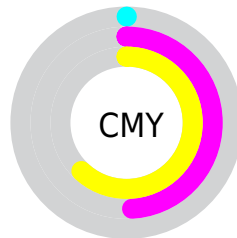


Cyan (0%)

Magenta (49%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0698, 0.4884, 0.3622 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 38.0698, 0.4884, 0.3622 by changing the saturation by 10% instead.


 38.0698, 0.4884,
0.3622

 38.0698, 0.4884,
0.3622


337.9193, 0.3984,
0.3522


 26.0369, 0.5104,
0.3621


 72.2151, 0.4558,
0.3604


 16.8512, 0.5379,
0.3605


 95.0963, 0.4434,
0.3591

 10.1285, 0.5727,
0.3555


 122.3623, 0.4330,
0.3579

 5.4842, 0.6186,
0.3448

 154.3976, 0.4241,
0.3566

 2.5341, 0.6787,
0.3213

191.5866, 0.4163,
0.3554

 0.8936, 0.7362,
0.2638

234.3136, 0.4096,

 0.0000, 1.0000,

0.3543

0.0000

282.9630, 0.4036,
0.3532

■ 0.0000, 0.0000,
0.0000

■ 38.0698, 0.4884,
0.3622

■ 38.0698, 0.4884,
0.3622

■ 32.8522, 0.5298,
0.3631

■ 44.4807, 0.4486,
0.3587

■ 28.7481, 0.5688,
0.3605

■ 52.1501, 0.4129,
0.3536

■ 25.6736, 0.6005,
0.3540

■ 61.1428, 0.3820,
0.3477

■ 23.9515, 0.6179,
0.3475

■ 71.5179, 0.3560,
0.3417

■ 83.3310, 0.3344,
0.3358

96.6346, 0.3165,
0.3302

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.



38.0698, 0.4486, 0.3005



38.0698, 0.4884, 0.3622



38.0698, 0.4710, 0.4258

Triad

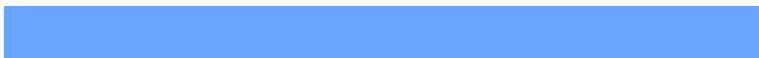
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.0698, 0.4884, 0.3622



38.0698, 0.2485, 0.4374



38.0698, 0.2070, 0.1970

Complementary

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



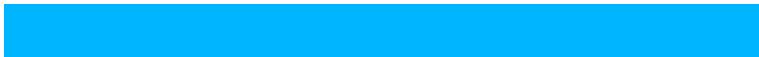
38.0698, 0.4884, 0.3622



61.4028, 0.2276, 0.2869

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.



38.0698, 0.1702, 0.2101



38.0698, 0.4884, 0.3622



38.0698, 0.1894, 0.3391

Square

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



38.0698, 0.4884, 0.3622



38.0698, 0.3298, 0.4931



38.0698, 0.1639, 0.2561



38.0698, 0.2744, 0.2108

Rectangle

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



38.0698, 0.4884, 0.3622



38.0698, 0.4343, 0.4642



38.0698, 0.1639, 0.2561



38.0698, 0.1913, 0.1981

Sweetspot

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



38.0711, 0.4884, 0.3622



75.3264, 0.3483, 0.3396



34.9598, 0.3512, 0.2089



15.4272, 0.3548, 0.3414



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.



38.0711, 0.4884, 0.3622



31.6646, 0.5405, 0.3628



66.8719, 0.4293, 0.4368



18.6169, 0.3289, 0.3342



12.6896, 0.6154, 0.3496



1.3862, 0.5945, 0.3662

Inverse Universe

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



61.4028, 0.2276, 0.2869



56.4323, 0.2169, 0.2769



29.5564, 0.2038, 0.1837



19.7828, 0.2980, 0.3238



25.6889, 0.2051, 0.2584



2.6578, 0.2076, 0.2674

Previews

White Background



This preview shows how the Yxy color 38.0698, 0.4884, 0.3622 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 38.0698, 0.4884, 0.3622 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 38.0698, 0.4884, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 38.0698, 0.4884, 0.3622.



This preview shows how white text looks on a background with the Yxy color 38.0698, 0.4884, 0.3622.

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

38.0698, 0.4884, 0.3622

Protanopia

38.2220, 0.3778, 0.4067

Deuteranopia

38.2310, 0.4220, 0.4151



Tritanopia

38.1880, 0.4475, 0.3212

Trichromacy



Original Color

38.0698, 0.4884, 0.3622

Protanomaly

37.2123, 0.4179, 0.3892

Deuteranomaly

37.4821, 0.4478, 0.3936

Tritanomaly

38.0788, 0.4631, 0.3365

Monochromacy



Original Color

38.0698, 0.4884, 0.3622

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.1909, 0.3725, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0698, 0.4884, 0.3622 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, 130, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 96)  
}
```

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, 130, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 96) }
```

Border

The CSS property to change the border of an element to Yxy 38.0698, 0.4884, 0.3622 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, 130, 96) }
```

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

```
.border{ border-color:rgb(255, 130, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
96) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.0698, 0.4884, 0.3622$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 96) }
```

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

```
.background{ background-color: rgb(255,  
130, 96) }
```

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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