

Converting Colors

$Y_{xy}(38.7373, 0.4856, 0.3638)$

Have a look what the booklet for
Yxy(38.7373, 0.4856, 0.3638)
contains.

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Color

Yxy(38.6256, 0.4858, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	FF8461
RGB	255, 132, 97
RGB Percent	100%, 52%, 38%
CMY	0.0000, 0.4823, 0.6196
CMYK	0.00, 0.48, 0.62, 0.00
HSL	13°, 100%, 69%
HSV	13°, 62%, 100%
XYZ	51.6496, 38.6256, 16.0435
YIQ	164.7870, 84.5430, 15.1910

Conversions

Conversions Part 2

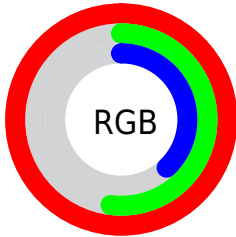
Format	Color
R_{YB}	255, 142, 97
Decimal	16745569
CIE _{Lab}	68.48, 43.88, 40.02
CIE _{LCh}	68, 59.391, 42.362
Yxy	38.6256, 0.4858, 0.3633
Android (android.graphics.Color)	4294935649 (0xFFFF8461)
YUV	164.7870, -33.4190, 79.1168
Hunter-Lab	62.1495, 39.5817, 28.1993

Details

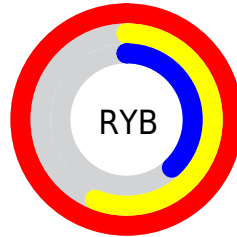
The Yxy color **38.6256, 0.4858, 0.3633** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.9477, 0.2277, 0.2857**, and the grayscale version is **37.6536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9388, 0.4040, 0.3700**, and **17.1512, 0.5349, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **33.3441, 0.5269, 0.3645**, and if you desaturate by 10%, it is **45.0878, 0.4465, 0.3595**.

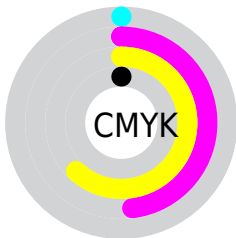
Distribution



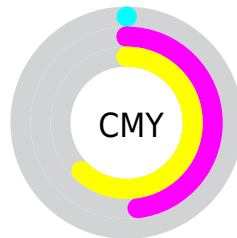
- Red (100%)
- Green (52%)
- Blue (38%)



- Red (100%)
- Yellow (56%)
- Blue (38%)



- Cyan (0%)
- Magenta (48%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6256, 0.4858, 0.3633 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 38.6256, 0.4858, 0.3633 by changing the saturation by 10% instead.


 38.6256, 0.4858,
0.3633


 38.6256, 0.4858,
0.3633


340.2961, 0.3973,
0.3526


 26.4686, 0.5074,
0.3635


 73.0660, 0.4537,
0.3612

 17.1745, 0.5344,
0.3622


 96.1182, 0.4416,
0.3598

 10.3590, 0.5686,
0.3578


 123.5709, 0.4314,
0.3585

 5.6376, 0.6132,
0.3476

 155.8085, 0.4226,
0.3572

 2.6260, 0.6738,
0.3262

193.2155, 0.4149,
0.3559

 0.9398, 0.7296,
0.2704

236.1761, 0.4083,

 0.0000, 1.0000,

0.3547

0.0000

285.0748, 0.4024,
0.3536

■ 0.0000, 0.0000,
0.0000

■ 38.6256, 0.4858,
0.3633

■ 38.6256, 0.4858,
0.3633

■ 33.3441, 0.5269,
0.3645

■ 45.0878, 0.4465,
0.3595

■ 29.1644, 0.5659,
0.3620

■ 52.7923, 0.4111,
0.3542

■ 26.0059, 0.5979,
0.3556

■ 61.8026, 0.3807,
0.3481

■ 24.1361, 0.6165,
0.3487

■ 72.1763, 0.3550,
0.3418

■ 83.9673, 0.3336,
0.3358

97.2267, 0.3158,
0.3301

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.



38.6256, 0.4476, 0.3022



38.6256, 0.4858, 0.3633



38.6256, 0.4680, 0.4260

Triad

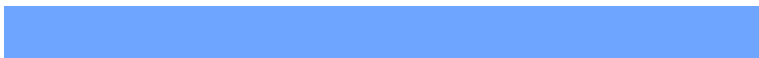
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.6256, 0.4858, 0.3633



38.6256, 0.2483, 0.4337



38.6256, 0.2094, 0.1988

Complementary

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



38.6256, 0.4858, 0.3633



60.9477, 0.2277, 0.2857

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.



38.6256, 0.1725, 0.2113



38.6256, 0.4858, 0.3633



38.6256, 0.1905, 0.3373

Square

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



38.6256, 0.4858, 0.3633



38.6256, 0.3283, 0.4898



38.6256, 0.1657, 0.2563



38.6256, 0.2766, 0.2128

Rectangle

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



38.6256, 0.4858, 0.3633



38.6256, 0.4316, 0.4634



38.6256, 0.1657, 0.2563



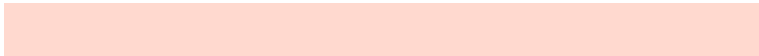
38.6256, 0.1938, 0.1998

Sweetspot

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



38.6274, 0.4858, 0.3633



75.5149, 0.3482, 0.3400



35.0185, 0.3537, 0.2116



15.4720, 0.3547, 0.3418



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.



38.6274, 0.4858, 0.3633



32.4038, 0.5352, 0.3643



68.3324, 0.4268, 0.4385



18.6395, 0.3289, 0.3343



12.7910, 0.6139, 0.3507



1.3990, 0.5928, 0.3675

Inverse Universe

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



60.9477, 0.2277, 0.2857



56.0764, 0.2172, 0.2758



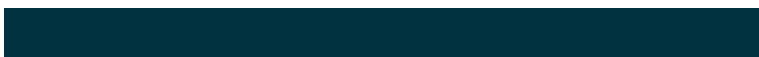
29.0395, 0.2037, 0.1813



19.7585, 0.2980, 0.3236



25.2302, 0.2044, 0.2558



2.6168, 0.2070, 0.2651

Previews

White Background



This preview shows how the Yxy color 38.6256, 0.4858, 0.3633 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 38.6256, 0.4858, 0.3633 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 38.6256, 0.4858, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 38.6256, 0.4858, 0.3633.



This preview shows how white text looks on a background with the Yxy color 38.6256, 0.4858, 0.3633.

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

38.6256, 0.4858, 0.3633

Protanopia

38.7083, 0.3783, 0.4076

Deuteranopia

38.8935, 0.4216, 0.4133



Tritanopia

38.5045, 0.4447, 0.3202

Trichromacy



Original Color

38.6256, 0.4858, 0.3633

Protanomaly

37.6864, 0.4182, 0.3901

Deuteranomaly

38.3088, 0.4453, 0.3935

Tritanomaly

38.3657, 0.4614, 0.3365

Monochromacy



Original Color

38.6256, 0.4858, 0.3633

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.6817, 0.3721, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6256, 0.4858, 0.3633 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, 132, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 97)  
}
```

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, 132, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 97) }
```

Border

The CSS property to change the border of an element to Yxy 38.6256, 0.4858, 0.3633 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, 132, 97) }
```

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

```
.border{ border-color:rgb(255, 132, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 132, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 132, 97); box-shadow:4px 4px 4px 4px rgb(255, 132, 97) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6256, 0.4858, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 97) }
```

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

```
.background{ background-color: rgb(255,  
132, 97) }
```

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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