

Converting Colors

$Yxy(41.8202, 0.5035, 0.3568)$

Have a look what the booklet for
Yxy(41.8202, 0.5035, 0.3568)
contains.

Yxy(37.8236, 0.4882, 0.3603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.8236, 0.4882, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	FF8161
RGB	255, 129, 97
RGB Percent	100%, 51%, 38%
CMY	0.0000, 0.4941, 0.6197
CMYK	0.00, 0.49, 0.62, 0.00
HSL	12°, 100%, 69%
HSV	12°, 62%, 100%
XYZ	51.2503, 37.8236, 15.9042
YIQ	163.0260, 85.3680, 16.7600

Conversions

Conversions Part 2

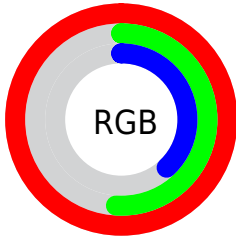
Format	Color
R_{YB}	255, 137, 97
Decimal	16744801
CIE _{Lab}	67.89, 45.37, 39.31
CIE _{LCh}	68, 60.029, 40.908
Yxy	37.8236, 0.4882, 0.3603
Android (android.graphics.Color)	4294934881 (0xFFFF8161)
YUV	163.0260, -32.5508, 80.6612
Hunter-Lab	61.5009, 41.1221, 27.7182

Details

The Yxy color **37.8236, 0.4882, 0.3603** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.5258, 0.2286, 0.2895**, and the grayscale version is **36.7639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6791, 0.4054, 0.3669**, and **16.7281, 0.5385, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **32.5878, 0.5301, 0.3612**, and if you desaturate by 10%, it is **44.2780, 0.4481, 0.3569**.

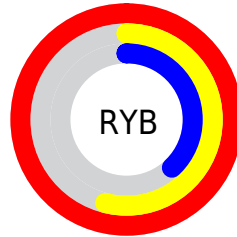
Distribution



Red (100%)

Green (51%)

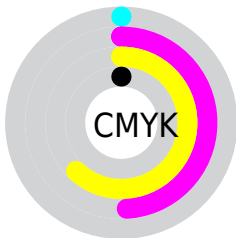
Blue (38%)



Red (100%)

Yellow (54%)

Blue (38%)

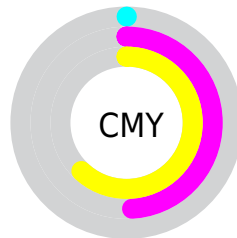


Cyan (0%)

Magenta (49%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8236, 0.4882, 0.3603 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 37.8236, 0.4882, 0.3603 by changing the saturation by 10% instead.


 37.8236, 0.4882,
0.3603


 37.8236, 0.4882,
0.3603

336.8627, 0.3981,
0.3511

 25.8458, 0.5103,
0.3601


 71.8377, 0.4555,
0.3588

 16.7083, 0.5380,
0.3582


 94.6428, 0.4431,
0.3576

 10.0268, 0.5731,
0.3531


 121.8257, 0.4327,
0.3565

 5.4167, 0.6193,
0.3419

 153.7710, 0.4238,
0.3553

 2.4938, 0.6815,
0.3185

190.8629, 0.4160,
0.3542

 0.8735, 0.7397,
0.2603


233.4859, 0.4093,

 0.0000, 1.0000,

0.3531

0.0000


282.0243, 0.4033,
0.3521

 0.0000, 0.0000,
0.0000


 37.8236, 0.4882,
0.3603


 37.8236, 0.4882,
0.3603


 32.5878, 0.5301,
0.3612

 44.2780, 0.4481,
0.3569

 28.4918, 0.5696,
0.3587


 52.0224, 0.4121,
0.3521

 25.4468, 0.6017,
0.3525

 61.1229, 0.3812,
0.3465

 23.6866, 0.6200,
0.3459

 71.6406, 0.3552,
0.3408

 83.6332, 0.3336,
0.3352

97.1549, 0.3158,
0.3300

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.



37.8236, 0.4467, 0.2988



37.8236, 0.4882, 0.3603



37.8236, 0.4723, 0.4240

Triad

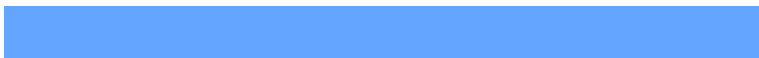
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.8236, 0.4882, 0.3603



37.8236, 0.2507, 0.4400



37.8236, 0.2053, 0.1969

Complementary

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



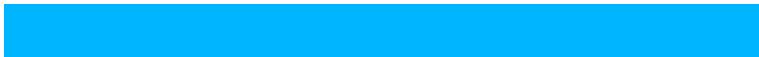
37.8236, 0.4882, 0.3603



62.5258, 0.2286, 0.2895

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.



37.8236, 0.1695, 0.2109



37.8236, 0.4882, 0.3603



37.8236, 0.1906, 0.3421

Square

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



37.8236, 0.4882, 0.3603



37.8236, 0.3323, 0.4938



37.8236, 0.1640, 0.2580



37.8236, 0.2719, 0.2099

Rectangle

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



37.8236, 0.4882, 0.3603



37.8236, 0.4364, 0.4627



37.8236, 0.1640, 0.2580



37.8236, 0.1900, 0.1983

Sweetspot

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



37.8236, 0.4882, 0.3603



75.0432, 0.3484, 0.3391



35.1553, 0.3509, 0.2095



15.3599, 0.3550, 0.3407



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.



37.8236, 0.4882, 0.3603



31.6658, 0.5385, 0.3610



67.0371, 0.4286, 0.4363



18.5830, 0.3289, 0.3339



12.5437, 0.6175, 0.3479



1.3674, 0.5969, 0.3642

Inverse Universe

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



62.5258, 0.2286, 0.2895



57.8929, 0.2184, 0.2805



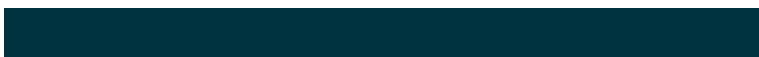
29.8246, 0.2044, 0.1847



19.8194, 0.2980, 0.3241



26.3909, 0.2062, 0.2624



2.7204, 0.2086, 0.2709

Previews

White Background



This preview shows how the Yxy color 37.8236, 0.4882, 0.3603 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 37.8236, 0.4882, 0.3603 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 37.8236, 0.4882, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 37.8236, 0.4882, 0.3603.



This preview shows how white text looks on a background with the Yxy color 37.8236, 0.4882, 0.3603.

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

37.8236, 0.4882, 0.3603

Protanopia

38.1234, 0.3759, 0.4056

Deuteranopia

37.9056, 0.4219, 0.4128



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.8236, 0.4882, 0.3603

Protanomaly

37.0885, 0.4159, 0.3883

Deuteranomaly

37.1873, 0.4477, 0.3914

Tritanomaly

37.8192, 0.4638, 0.3355

Monochromacy



Original Color

37.8236, 0.4882, 0.3603

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7331, 0.3718, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8236, 0.4882, 0.3603 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, 129, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 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, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 97) }
```

Border

The CSS property to change the border of an element to Yxy 37.8236, 0.4882, 0.3603 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, 129, 97) }
```

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

```
.border{ border-color:rgb(255, 129, 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, 129, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8236, 0.4882, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 97) }
```

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

```
.background{ background-color: rgb(255,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor