

Converting Colors

$Y_{xy}(38.1972, 0.4599, 0.3848)$

Have a look what the booklet for
Yxy(38.1972, 0.4599, 0.3848)
contains.

Yxy(38.0605, 0.4605, 0.3848)	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(38.0605, 0.4605, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	E9905D
RGB	233, 144, 93
RGB Percent	91%, 56%, 36%
CMY	0.0864, 0.4352, 0.6353
CMYK	0.00, 0.38, 0.60, 0.09
HSL	22°, 76%, 64%
HSV	22°, 60%, 91%
XYZ	45.5480, 38.0605, 15.3013
YIQ	164.7970, 69.4150, 3.0070

Conversions

Conversions Part 2

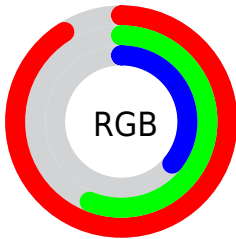
Format	Color
R _Y B	233, 173, 93
Decimal	15306845
CIE Lab	68.07, 28.92, 40.96
CIE LCh	68, 50.142, 54.772
Yxy	38.0605, 0.4605, 0.3848
Android (android.graphics.Color)	4293496925 (0xFFE9905D)
YUV	164.7970, -35.3959, 59.8140
Hunter-Lab	61.6932, 23.8231, 28.4799

Details

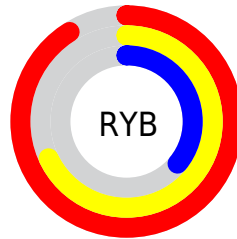
The Yxy color **38.0605, 0.4605, 0.3848** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.6481, 0.2235, 0.2590**, and the grayscale version is **37.6739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6618, 0.4021, 0.3851**, and **16.9024, 0.5013, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **33.5149, 0.4947, 0.3895**, and if you desaturate by 10%, it is **43.3240, 0.4278, 0.3772**.

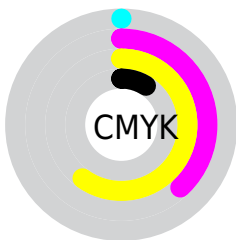
Distribution



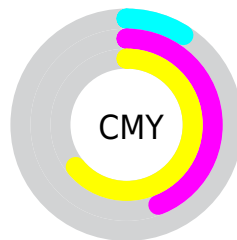
- Red (91%)
- Green (56%)
- Blue (36%)



- Red (91%)
- Yellow (68%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (60%)
- Black (9%)





- Cyan (9%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0605, 0.4605, 0.3848 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 38.0605, 0.4605, 0.3848 by changing the saturation by 10% instead.


 38.0605, 0.4605,
0.3848


 38.0605, 0.4605,
0.3848


337.8794, 0.3849,
0.3616

 26.0296, 0.4790,
0.3885


 72.2009, 0.4331,
0.3778


 16.8458, 0.5020,
0.3917


 95.0792, 0.4228,
0.3747

 10.1246, 0.5311,
0.3934


 122.3421, 0.4140,
0.3719

 5.4817, 0.5705,
0.3923

 154.3740, 0.4065,
0.3694

 2.5326, 0.6198,
0.3802

191.5592, 0.4000,
0.3671

 0.8929, 0.6653,
0.3347

234.2823, 0.3944,

 0.0000, 1.0000,

0.3651

0.0000

282.9276, 0.3894,
0.3632

0.0000, 0.0000,
0.0000

38.0605, 0.4605,
0.3848

38.0605, 0.4605,
0.3848

33.5149, 0.4947,
0.3895

43.3240, 0.4278,
0.3772

29.6469, 0.5282,
0.3899

49.3313, 0.3981,
0.3680

26.4200, 0.5580,
0.3852

56.1141, 0.3718,
0.3580


23.8036, 0.5820,
0.3761

63.7003, 0.3490,
0.3479

72.1163, 0.3295,
0.3382

 81.3874, 0.3128,
0.3291

 91.4673, 0.2993,
0.3217

 96.0599, 0.2993,
0.3290

Harmonies

Analogous

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



38.0605, 0.4465, 0.3293



38.0605, 0.4605, 0.3848



38.0605, 0.4303, 0.4360

Triad

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



38.0605, 0.4605, 0.3848



38.0605, 0.2345, 0.3849



38.0605, 0.2449, 0.2176

Complementary

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



38.0605, 0.4605, 0.3848



41.6481, 0.2235, 0.2590

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.



38.0605, 0.2006, 0.2192



38.0605, 0.4605, 0.3848



38.0605, 0.1943, 0.3058

Square

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



38.0605, 0.4605, 0.3848



38.0605, 0.2985, 0.4501



38.0605, 0.1834, 0.2477



38.0605, 0.3128, 0.2387

Rectangle

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



38.0605, 0.4605, 0.3848



38.0605, 0.3925, 0.4599



38.0605, 0.1834, 0.2477



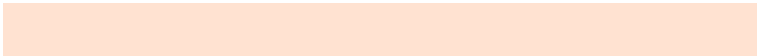
38.0605, 0.2272, 0.2154

Sweetspot

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



38.0624, 0.4605, 0.3848



80.1685, 0.3448, 0.3460



28.6087, 0.3747, 0.2322



16.5416, 0.3510, 0.3489



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.



38.0624, 0.4605, 0.3848



39.9885, 0.5025, 0.3900



65.1876, 0.4101, 0.4523



15.9529, 0.3284, 0.3376



13.7249, 0.5792, 0.3783



1.2553, 0.5529, 0.3992

Inverse Universe

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



41.6481, 0.2235, 0.2590



44.5761, 0.2097, 0.2417



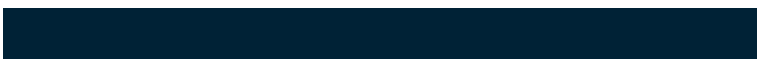
20.2430, 0.2017, 0.1618



16.1451, 0.2981, 0.3202



15.6137, 0.1903, 0.2052



1.4080, 0.1956, 0.2243

Previews

White Background



This preview shows how the Yxy color 38.0605, 0.4605, 0.3848 looks on a white background.

Color Contrast Check

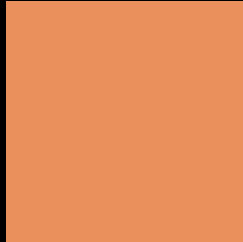
Large Text (above 18pt) WCAG AA × Fail

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 38.0605, 0.4605, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

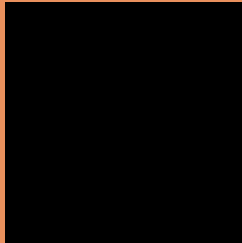
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0605, 0.4605, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 38.0605, 0.4605, 0.3848.



This preview shows how white text looks on a background with the Yxy color 38.0605, 0.4605, 0.3848.

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

38.0605, 0.4605, 0.3848

Protanopia

38.1571, 0.3866, 0.4182

Deuteranopia

38.3718, 0.4230, 0.4147



Tritanopia

38.0024, 0.4112, 0.3180

Trichromacy



Original Color

38.0605, 0.4605, 0.3848

Protanomaly

37.7531, 0.4138, 0.4056

Deuteranomaly

38.3136, 0.4370, 0.4038

Tritanomaly

38.1213, 0.4313, 0.3439

Monochromacy



Original Color

38.0605, 0.4605, 0.3848

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9252, 0.3634, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0605, 0.4605, 0.3848 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(233, 144, 93)` looks like.

```
.text, #text, p{  
    color:rgb(233, 144, 93)  
}
```

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(233, 144, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 144, 93) }
```

Border

The CSS property to change the border of an element to Yxy 38.0605, 0.4605, 0.3848 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(233, 144, 93) }
```

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

```
.border{ border-color:rgb(233, 144, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 144, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 144, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 144, 93);  
box-shadow:4px 4px 4px 4px rgb(233, 144,  
93) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.0605, 0.4605, 0.3848$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 144, 93) }
```

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

```
.background{ background-color: rgb(233,  
144, 93) }
```

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