

Converting Colors

$Y_{xy}(38.3324, 0.4481, 0.3869)$

Have a look what the booklet for
Yxy(38.3324, 0.4481, 0.3869)
contains.

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Color

Yxy(38.3738, 0.4480, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	E39461
RGB	227, 148, 97
RGB Percent	89%, 58%, 38%
CMY	0.1097, 0.4196, 0.6196
CMYK	0.00, 0.35, 0.57, 0.11
HSL	24°, 70%, 64%
HSV	24°, 57%, 89%
XYZ	44.4339, 38.3738, 16.3751
YIQ	165.8070, 63.4550, 0.8870

Conversions

Conversions Part 2

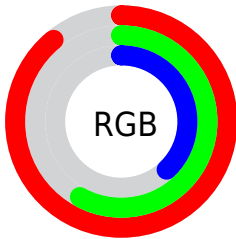
Format	Color
R _Y B	227, 181, 97
Decimal	14914657
CIE Lab	68.30, 24.72, 38.98
CIE LCh	68, 46.154, 57.622
Yxy	38.3738, 0.4480, 0.3869
Android (android.graphics.Color)	4293104737 (0xFFE39461)
YUV	165.8070, -33.9219, 53.6663
Hunter-Lab	61.9466, 19.6303, 27.6898

Details

The Yxy color **38.3738, 0.4480, 0.3869** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.1589, 0.2260, 0.2577**, and the grayscale version is **38.1803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6710, 0.3964, 0.3841**, and **17.0960, 0.4859, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **33.9369, 0.4806, 0.3932**, and if you desaturate by 10%, it is **43.4520, 0.4172, 0.3781**.

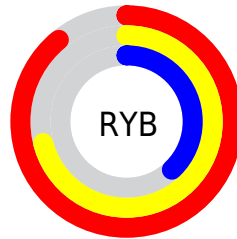
Distribution



Red (89%)

Green (58%)

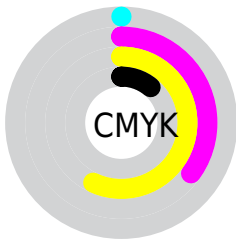
Blue (38%)



Red (89%)

Yellow (71%)

Blue (38%)

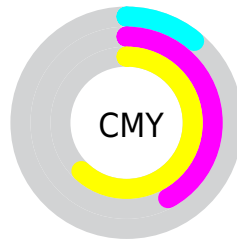


Cyan (0%)

Magenta (35%)

Yellow (57%)

Black (11%)



Cyan (11%)

Magenta (42%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3738, 0.4480, 0.3869 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 38.3738, 0.4480, 0.3869 by changing the saturation by 10% instead.

 38.3738, 0.4480,
0.3869


 38.3738, 0.4480,
0.3869


339.2208, 0.3788,
0.3616

 26.2729, 0.4650,
0.3915


 72.6807, 0.4229,
0.3789


 17.0279, 0.4864,
0.3961


 95.6556, 0.4134,
0.3755

 10.2544, 0.5136,
0.3998


 123.0238, 0.4054,
0.3725

 5.5680, 0.5494,
0.4012

 155.1700, 0.3985,
0.3698

 2.5842, 0.6018,
0.3982

192.4783, 0.3926,
0.3675

 0.9187, 0.6422,
0.3578

235.3333, 0.3874,

 0.0000, 1.0000,

0.3653

0.0000

284.1193, 0.3828,
0.3634

■ 0.0000, 0.0000,
0.0000

■ 38.3738, 0.4480,
0.3869

■ 38.3738, 0.4480,
0.3869

■ 33.9369, 0.4806,
0.3932

■ 43.4520, 0.4172,
0.3781

■ 30.1067, 0.5131,
0.3955

■ 49.1922, 0.3892,
0.3678

■ 26.8535, 0.5431,
0.3928

■ 55.6213, 0.3644,
0.3570

■ 24.1406, 0.5679,
0.3849

■ 62.7626, 0.3429,
0.3463

■ 23.4843, 0.5741,
0.3823

■ 70.6384, 0.3245,
0.3361

■ 79.2699, 0.3086,
0.3264

■ 88.6176, 0.2957,
0.3185

■ 95.0761, 0.2958,
0.3290

Harmonies

Analogous

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



38.3738, 0.4386, 0.3351



38.3738, 0.4480, 0.3869



38.3738, 0.4176, 0.4325

Triad

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



38.3738, 0.4480, 0.3869



38.3738, 0.2361, 0.3733



38.3738, 0.2554, 0.2263

Complementary

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



38.3738, 0.4480, 0.3869



39.1589, 0.2260, 0.2577

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.



38.3738, 0.2114, 0.2260



38.3738, 0.4480, 0.3869



38.3738, 0.2008, 0.3023

Square

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



38.3738, 0.4480, 0.3869



38.3738, 0.2942, 0.4350



38.3738, 0.1928, 0.2506



38.3738, 0.3198, 0.2479

Rectangle

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



38.3738, 0.4480, 0.3869



38.3738, 0.3816, 0.4516



38.3738, 0.1928, 0.2506



38.3738, 0.2381, 0.2236

Sweetspot

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



38.3757, 0.4480, 0.3869



81.8397, 0.3426, 0.3462



28.0683, 0.3761, 0.2403



17.0979, 0.3467, 0.3483



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.



38.3757, 0.4480, 0.3869



43.0179, 0.4878, 0.3940



64.2173, 0.4032, 0.4514



15.2903, 0.3283, 0.3383



13.9034, 0.5714, 0.3845



1.2040, 0.5445, 0.4059

Inverse Universe

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



39.1589, 0.2260, 0.2577



44.0060, 0.2112, 0.2393



19.7165, 0.2059, 0.1649



15.3379, 0.2981, 0.3196



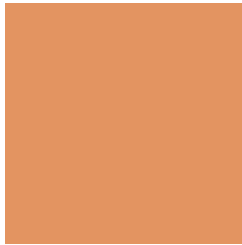
14.0673, 0.1876, 0.1955



1.2191, 0.1936, 0.2171

Previews

White Background



This preview shows how the Yxy color 38.3738, 0.4480, 0.3869 looks on a white background.

Color Contrast Check

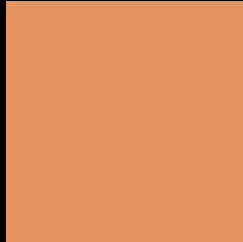
Large Text (above 18pt) WCAG AA × Fail

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 38.3738, 0.4480, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

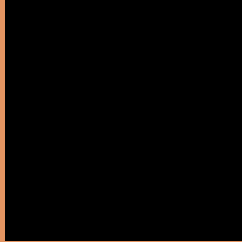
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3738, 0.4480, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 38.3738, 0.4480, 0.3869.



This preview shows how white text looks on a background with the Yxy color 38.3738, 0.4480, 0.3869.

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

38.3738, 0.4480, 0.3869

Protanopia

38.5820, 0.3835, 0.4155

Deuteranopia

38.4599, 0.4188, 0.4091



Tritanopia

38.3057, 0.3979, 0.3165

Trichromacy



Original Color

38.3738, 0.4480, 0.3869

Protanomaly

38.0870, 0.4067, 0.4054

Deuteranomaly

38.2843, 0.4289, 0.4006

Tritanomaly

38.4355, 0.4176, 0.3432

Monochromacy



Original Color

38.3738, 0.4480, 0.3869

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4107, 0.3587, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3738, 0.4480, 0.3869 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(227, 148, 97)` looks like.

```
.text, #text, p{  
    color:rgb(227, 148, 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(227, 148, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 148, 97) }
```

Border

The CSS property to change the border of an element to Yxy 38.3738, 0.4480, 0.3869 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(227, 148, 97) }
```

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

```
.border{ border-color:rgb(227, 148, 97) }
```

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

Here you see how a box with a 4 pixel rgb(227, 148, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 148, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 148, 97);  
box-shadow:4px 4px 4px 4px rgb(227, 148,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3738, 0.4480, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 148, 97) }
```

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

```
.background{ background-color: rgb(227,  
148, 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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