

Converting Colors

$Y_{xy}(38.6359, 0.4582, 0.3912)$

Have a look what the booklet for
Yxy(38.6359, 0.4582, 0.3912)
contains.

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Color

Yxy(38.6117, 0.4580, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	E7935B
RGB	231, 147, 91
RGB Percent	91%, 58%, 36%
CMY	0.0942, 0.4235, 0.6431
CMYK	0.00, 0.36, 0.61, 0.09
HSL	24°, 74%, 63%
HSV	24°, 61%, 91%
XYZ	45.2743, 38.6117, 14.9662
YIQ	165.7320, 68.0400, 0.3920

Conversions

Conversions Part 2

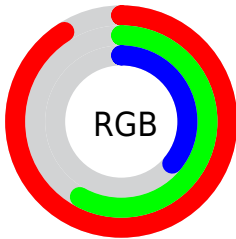
Format	Color
R _Y B	231, 184, 91
Decimal	15176539
CIE Lab	68.47, 26.40, 42.42
CIE LCh	68, 49.963, 58.107
Yxy	38.6117, 0.4580, 0.3906
Android (android.graphics.Color)	4293366619 (0xFFE7935B)
YUV	165.7320, -36.8429, 57.2400
Hunter-Lab	62.1383, 21.3141, 29.2166

Details

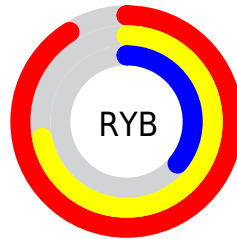
The Yxy color **38.6117, 0.4580, 0.3906** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.6477, 0.2212, 0.2510**, and the grayscale version is **38.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9863, 0.4022, 0.3901**, and **17.1908, 0.4979, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **34.2207, 0.4905, 0.3959**, and if you desaturate by 10%, it is **43.6485, 0.4267, 0.3823**.

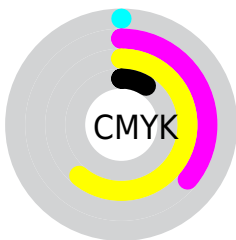
Distribution



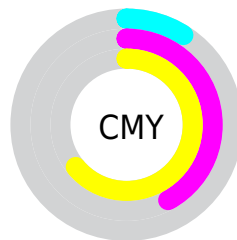
- Red (91%)
- Green (58%)
- Blue (36%)



- Red (91%)
- Yellow (72%)
- Blue (36%)



- Cyan (0%)
- Magenta (36%)
- Yellow (61%)
- Black (9%)





- Cyan (9%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6117, 0.4580, 0.3906 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 38.6117, 0.4580, 0.3906 by changing the saturation by 10% instead.

 38.6117, 0.4580,
0.3906


 38.6117, 0.4580,
0.3906


340.2368, 0.3841,
0.3644

 26.4578, 0.4759,
0.3950


 73.0448, 0.4314,
0.3825

 17.1664, 0.4981,
0.3991


 96.0927, 0.4213,
0.3791

 10.3532, 0.5259,
0.4019


 123.5407, 0.4127,
0.3759

 5.6338, 0.5639,
0.4028

 155.7733, 0.4053,
0.3731

 2.6237, 0.6082,
0.3918

193.1748, 0.3990,
0.3706

 0.9386, 0.6501,
0.3499

236.1296, 0.3934,

 0.0000, 1.0000,

0.3683

0.0000

285.0222, 0.3885,
0.3663

0.0000, 0.0000,
0.0000

38.6117, 0.4580,
0.3906

38.6117, 0.4580,
0.3906

34.2207, 0.4905,
0.3959

43.6485, 0.4267,
0.3823

30.4395, 0.5221,
0.3968

49.3528, 0.3979,
0.3722


27.2367, 0.5502,
0.3924


55.7524, 0.3722,
0.3613

24.7129, 0.5720,
0.3840

62.8714, 0.3497,
0.3503

70.7328, 0.3303,
0.3396

 79.3586, 0.3136,
0.3296

 88.7695, 0.2994,
0.3202

 95.7267, 0.2981,
0.3290

Harmonies

Analogous

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



38.6117, 0.4493, 0.3355



38.6117, 0.4580, 0.3906



38.6117, 0.4240, 0.4401

Triad

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



38.6117, 0.4580, 0.3906



38.6117, 0.2293, 0.3755



38.6117, 0.2519, 0.2196

Complementary

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



38.6117, 0.4580, 0.3906



38.6477, 0.2212, 0.2510

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.



38.6117, 0.2050, 0.2186



38.6117, 0.4580, 0.3906



38.6117, 0.1925, 0.2983

Square

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



38.6117, 0.4580, 0.3906



38.6117, 0.2909, 0.4438



38.6117, 0.1848, 0.2437



38.6117, 0.3213, 0.2429

Rectangle

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



38.6117, 0.4580, 0.3906



38.6117, 0.3848, 0.4614



38.6117, 0.1848, 0.2437



38.6117, 0.2334, 0.2166

Sweetspot

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



38.6137, 0.4580, 0.3906



81.0606, 0.3446, 0.3476



27.5658, 0.3846, 0.2386



16.7575, 0.3506, 0.3507



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.



38.6137, 0.4580, 0.3906



41.4305, 0.4995, 0.3966



67.3624, 0.4064, 0.4590



15.3096, 0.3282, 0.3385



14.0836, 0.5692, 0.3862



1.2185, 0.5425, 0.4074

Inverse Universe

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



38.6477, 0.2212, 0.2510



41.3346, 0.2064, 0.2311



18.0984, 0.1987, 0.1512



15.3181, 0.2981, 0.3194



13.7677, 0.1869, 0.1927



1.1980, 0.1930, 0.2146

Previews

White Background



This preview shows how the Yxy color 38.6117, 0.4580, 0.3906 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 38.6117, 0.4580, 0.3906 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 38.6117, 0.4580, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 38.6117, 0.4580, 0.3906.



This preview shows how white text looks on a background with the Yxy color 38.6117, 0.4580, 0.3906.

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

38.6117, 0.4580, 0.3906

Protanopia

38.5866, 0.3895, 0.4228

Deuteranopia

38.8253, 0.4249, 0.4176



Tritanopia

38.6203, 0.4045, 0.3179

Trichromacy



Original Color

38.6117, 0.4580, 0.3906

Protanomaly

38.2472, 0.4140, 0.4118

Deuteranomaly

38.4601, 0.4370, 0.4073

Tritanomaly

38.7223, 0.4254, 0.3452

Monochromacy



Original Color

38.6117, 0.4580, 0.3906

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.6075, 0.3627, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6117, 0.4580, 0.3906 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(231, 147, 91)` looks like.

```
.text, #text, p{  
    color:rgb(231, 147, 91)  
}
```

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(231, 147, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 147, 91) }
```

Border

The CSS property to change the border of an element to Yxy 38.6117, 0.4580, 0.3906 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(231, 147, 91) }
```

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

```
.border{ border-color:rgb(231, 147, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 147, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 147, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 147, 91);  
box-shadow:4px 4px 4px 4px rgb(231, 147,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6117, 0.4580, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 147, 91) }
```

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

```
.background{ background-color: rgb(231,  
147, 91) }
```

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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