

# Converting Colors

$Y_{xy}(38.2065, 0.4375, 0.3586)$

Have a look what the booklet for  
Yxy(38.2065, 0.4375, 0.3586)  
contains.

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# Color

**Yxy(38.2529, 0.4373, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E98F75
RGB	233, 143, 117
RGB Percent	91%, 56%, 46%
CMY	0.0863, 0.4392, 0.5412
CMYK	0.00, 0.39, 0.50, 0.09
HSL	13°, 72%, 69%
HSV	13°, 50%, 91%
XYZ	46.6351, 38.2529, 21.7552
YIQ	166.9460, 61.9860, 10.9940

# Conversions

## Conversions Part 2

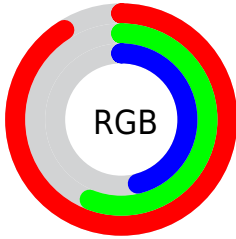
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 151, 117
Decimal	15306613
CIE Lab	68.21, 31.40, 28.26
CIE LCh	68, 42.247, 41.987
Yxy	38.2529, 0.4373, 0.3587
Android (android.graphics.Color)	4293496693 (0xFFE98F75)
YUV	166.9460, -24.6234, 57.9294
Hunter-Lab	61.8489, 26.3561, 22.4391

# Details

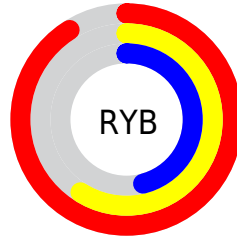
The Yxy color **38.2529, 0.4373, 0.3587** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.2795, 0.2412, 0.2952**, and the grayscale version is **38.7168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5127, 0.3822, 0.3594**, and **16.8982, 0.4763, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **32.7763, 0.4755, 0.3630**, and if you desaturate by 10%, it is **44.7440, 0.4033, 0.3531**.

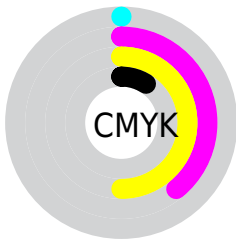
# Distribution



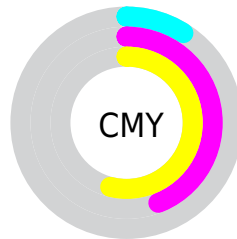
- Red (91%)
- Green (56%)
- Blue (46%)



- Red (91%)
- Yellow (59%)
- Blue (46%)



- Cyan (0%)
- Magenta (39%)
- Yellow (50%)
- Black (9%)




- Cyan (9%)
- Magenta (44%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2529, 0.4373, 0.3587 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 38.2529, 0.4373, 0.3587 by changing the saturation by 10% instead.





 38.2529, 0.4373,  
0.3587


 38.2529, 0.4373,  
0.3587


338.7036, 0.3726,  
0.3467


 26.1790, 0.4538,  
0.3605


 72.4956, 0.4134,  
0.3552

 16.9576, 0.4751,  
0.3621


 95.4332, 0.4046,  
0.3536

 10.2043, 0.5032,  
0.3627


 122.7609, 0.3971,  
0.3521

 5.5346, 0.5416,  
0.3606

154.8630, 0.3908,  
0.3508

 2.5642, 0.6098,  
0.3595

192.1239, 0.3853,  
0.3496

 0.9087, 0.6767,  
0.3233

234.9281, 0.3805,


 0.0000, 1.0000,

0.3486

0.0000

283.6598, 0.3763,  
0.3476

 0.0000, 0.0000,  
0.0000

 38.2529, 0.4373,  
0.3587


 38.2529, 0.4373,  
0.3587

 32.7763, 0.4755,  
0.3630


 44.7440, 0.4033,  
0.3531


 28.2563, 0.5161,  
0.3649

 52.2922, 0.3742,  
0.3469

 24.6378, 0.5558,  
0.3635

 60.9443, 0.3497,  
0.3406

 21.8575, 0.5898,  
0.3581

 70.7428, 0.3293,  
0.3345

 19.8367, 0.6148,  
0.3498

 81.7278, 0.3124,  
0.3289

■ 19.8001, 0.6153,  
0.3497

■ 93.8215, 0.2993,  
0.3255

■ 96.0618, 0.2993,  
0.3290

# Harmonies

## Analogous

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



38.2529, 0.4083, 0.3109



38.2529, 0.4373, 0.3587



38.2529, 0.4281, 0.4051

# Triad

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



38.2529, 0.4373, 0.3587



38.2529, 0.2686, 0.4018



38.2529, 0.2358, 0.2310

# Complementary

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



38.2529, 0.4373, 0.3587



54.2795, 0.2412, 0.2952

# 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.



38.2529, 0.2068, 0.2429



38.2529, 0.4373, 0.3587



38.2529, 0.2235, 0.3379

# Square

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



38.2529, 0.4373, 0.3587



38.2529, 0.3284, 0.4406



38.2529, 0.2023, 0.2793



38.2529, 0.2868, 0.2410



# Rectangle

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



38.2529, 0.4373, 0.3587



38.2529, 0.4035, 0.4297



38.2529, 0.2023, 0.2793



38.2529, 0.2235, 0.2324

# Sweetspot

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



38.2548, 0.4373, 0.3587



80.2846, 0.3396, 0.3377



34.5918, 0.3434, 0.2314



16.6477, 0.3441, 0.3390



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.



38.2548, 0.4373, 0.3587



39.9155, 0.4775, 0.3632



59.9731, 0.4025, 0.4199



15.6019, 0.3287, 0.3344



11.3883, 0.6128, 0.3516



1.0350, 0.5864, 0.3726



# Inverse Universe

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



54.2795, 0.2412, 0.2952



61.5934, 0.2295, 0.2868



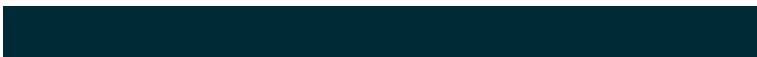
31.4340, 0.2259, 0.2156



16.5155, 0.2981, 0.3236



22.2257, 0.2042, 0.2551



1.8857, 0.2074, 0.2666



# Previews

## White Background



This preview shows how the Yxy color 38.2529, 0.4373, 0.3587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

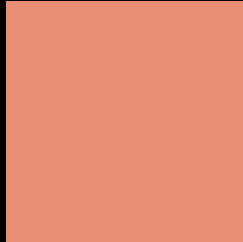
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.2529, 0.4373, 0.3587 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 38.2529, 0.4373, 0.3587**

## Background



This preview shows how black text looks on a background with the Yxy color 38.2529, 0.4373, 0.3587.



This preview shows how white text looks on a background with the Yxy color 38.2529, 0.4373, 0.3587.

# 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

38.2529, 0.4373, 0.3587

### Protanopia

38.2697, 0.3594, 0.3839

### Deuteranopia

38.4986, 0.3958, 0.3891



## Tritanopia

38.2973, 0.4061, 0.3179

# Trichromacy



**Original Color**

38.2529, 0.4373, 0.3587

**Protanomaly**

37.8895, 0.3871, 0.3752

**Deuteranomaly**

38.1979, 0.4106, 0.3778

**Tritanomaly**

38.0547, 0.4182, 0.3327

# Monochromacy



**Original Color**

38.2529, 0.4373, 0.3587

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

37.7000, 0.3542, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.2529, 0.4373, 0.3587 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, 143, 117)` looks like.

```
.text, #text, p{  
    color:rgb(233, 143, 117)  
}
```

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, 143, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 143, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 38.2529, 0.4373, 0.3587 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, 143, 117) }
```

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

```
.border{ border-color:rgb(233, 143, 117) }
```

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

Here you see how a box with a 4 pixel rgb(233, 143, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 143, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 143, 117);  
box-shadow:4px 4px 4px 4px rgb(233, 143,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.2529, 0.4373, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 143, 117) }
```

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

```
.background{ background-color: rgb(233,  
143, 117) }
```

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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