

# Converting Colors

$Y_{xy}(37.8045, 0.4329, 0.3439)$

Have a look what the booklet for  
Yxy(37.8045, 0.4329, 0.3439)  
contains.

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# Color

**Yxy(37.8045, 0.4329, 0.3439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC8B7E
RGB	236, 139, 126
RGB Percent	93%, 55%, 49%
CMY	0.0746, 0.4548, 0.5058
CMYK	0.00, 0.41, 0.47, 0.07
HSL	7°, 74%, 71%
HSV	7°, 47%, 93%
XYZ	47.5882, 37.8045, 24.5361
YIQ	166.5210, 61.9850, 16.5210

# Conversions

## Conversions Part 2

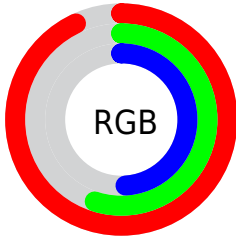
Format	Color
R <sub>Y</sub> B	236, 141, 126
Decimal	15502206
CIE Lab	67.88, 35.49, 22.91
CIE LCh	68, 42.245, 32.838
Yxy	37.8045, 0.4329, 0.3439
Android (android.graphics.Color)	4293692286 (0xFFEC8B7E)
YUV	166.5210, -19.9769, 60.9331
Hunter-Lab	61.4854, 30.5552, 19.3797

# Details

The Yxy color **37.8045, 0.4329, 0.3439** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.2669, 0.2478, 0.3127**, and the grayscale version is **38.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0982, 0.3753, 0.3448**, and **16.6993, 0.4706, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **31.8026, 0.4738, 0.3463**, and if you desaturate by 10%, it is **45.1011, 0.3975, 0.3408**.

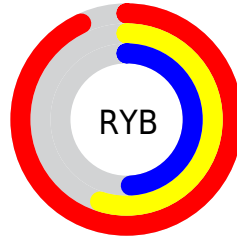
# Distribution



Red (93%)

Green (55%)

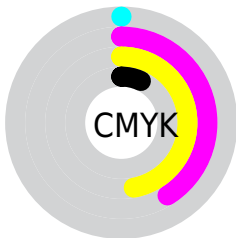
Blue (49%)



Red (93%)

Yellow (55%)

Blue (49%)

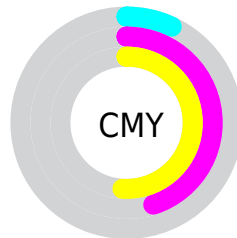


Cyan (0%)

Magenta (41%)

Yellow (47%)

Black (7%)



Cyan (7%)

Magenta (45%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8045, 0.4329, 0.3439 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 37.8045, 0.4329, 0.3439 by changing the saturation by 10% instead.




 37.8045, 0.4329,  
0.3439


 37.8045, 0.4329,  
0.3439


336.7806, 0.3702,  
0.3390

 25.8310, 0.4491,  
0.3441


 71.8084, 0.4096,  
0.3428

 16.6972, 0.4702,  
0.3438


 94.6076, 0.4010,  
0.3422

 10.0189, 0.4984,  
0.3422


 121.7841, 0.3938,  
0.3416

 5.4115, 0.5377,  
0.3377

153.7223, 0.3877,  
0.3410

 2.4907, 0.5990,  
0.3281

190.8067, 0.3824,  
0.3404

 0.8720, 0.6981,  
0.3019

233.4216, 0.3778,

 0.0000, 1.0000,

0.3399


0.0000


281.9514, 0.3738,  
0.3394


 0.0000, 0.0000,  
0.0000


 37.8045, 0.4329,  
0.3439

 37.8045, 0.4329,  
0.3439

 31.8026, 0.4738,  
0.3463

 45.1011, 0.3975,  
0.3408


 27.0141, 0.5182,  
0.3474


 53.7559, 0.3679,  
0.3375


 23.3574, 0.5623,  
0.3465

 63.8354, 0.3436,  
0.3341

 20.7385, 0.5999,  
0.3433

 75.3999, 0.3237,  
0.3310

 19.0474, 0.6255,  
0.3381

 88.5061, 0.3076,  
0.3280

■ 18.6546, 0.6316,  
0.3367

■ 96.5702, 0.3011,  
0.3290

# Harmonies

## Analogous

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



37.8045, 0.3932, 0.2971



37.8045, 0.4329, 0.3439



37.8045, 0.4352, 0.3918

# Triad

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



37.8045, 0.4329, 0.3439



37.8045, 0.2858, 0.4180



37.8045, 0.2242, 0.2318

# Complementary

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



37.8045, 0.4329, 0.3439



63.2669, 0.2478, 0.3127

# 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.



37.8045, 0.2024, 0.2510



37.8045, 0.4329, 0.3439



37.8045, 0.2346, 0.3582

# Square

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



37.8045, 0.4329, 0.3439



37.8045, 0.3473, 0.4447



37.8045, 0.2057, 0.2950



37.8045, 0.2691, 0.2355



# Rectangle

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



37.8045, 0.4329, 0.3439



37.8045, 0.4166, 0.4197



37.8045, 0.2057, 0.2950



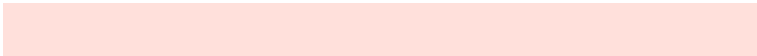
37.8045, 0.2142, 0.2355

# Sweetspot

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



37.8064, 0.4329, 0.3439



79.4420, 0.3381, 0.3333



38.0949, 0.3300, 0.2270



16.3940, 0.3427, 0.3340



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.



37.8064, 0.4329, 0.3439



38.1522, 0.4722, 0.3462



57.8470, 0.4019, 0.4036



15.3405, 0.3290, 0.3318



10.3803, 0.6299, 0.3380



0.9092, 0.6098, 0.3540

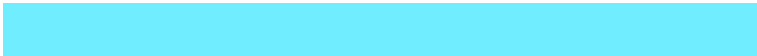


# Inverse Universe

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



63.2669, 0.2478, 0.3127



71.9051, 0.2378, 0.3088



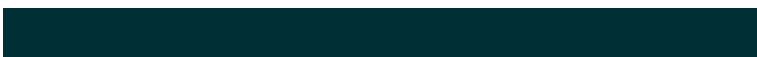
38.5636, 0.2345, 0.2393



16.8004, 0.2981, 0.3261



28.3644, 0.2143, 0.2914



2.3132, 0.2159, 0.2971



# Previews

## White Background



This preview shows how the Yxy color 37.8045, 0.4329, 0.3439 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 37.8045, 0.4329, 0.3439 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 37.8045, 0.4329, 0.3439**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8045, 0.4329, 0.3439.



This preview shows how white text looks on a background with the Yxy color 37.8045, 0.4329, 0.3439.

# 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

37.8045, 0.4329, 0.3439

### Protanopia

37.8592, 0.3466, 0.3674

### Deuteranopia

37.9372, 0.3856, 0.3782



## Tritanopia

37.8608, 0.4138, 0.3181

# Trichromacy



**Original Color**

37.8045, 0.4329, 0.3439

**Protanomaly**

37.3685, 0.3761, 0.3583

**Deuteranomaly**

37.7354, 0.4036, 0.3655

**Tritanomaly**

37.7599, 0.4204, 0.3271

# Monochromacy



**Original Color**

37.8045, 0.4329, 0.3439

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

37.5874, 0.3526, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8045, 0.4329, 0.3439 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(236, 139, 126)` looks like.

```
.text, #text, p{  
    color:rgb(236, 139, 126)  
}
```

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(236, 139, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 139, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8045, 0.4329, 0.3439 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(236, 139, 126) }
```

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

```
.border{ border-color:rgb(236, 139, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 139, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 139, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 139, 126);  
box-shadow:4px 4px 4px 4px rgb(236, 139,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8045, 0.4329, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 139, 126) }
```

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

```
.background{ background-color: rgb(236,  
139, 126) }
```

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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