

# Converting Colors

$Yxy(37.8454, 0.4233, 0.3506)$

Have a look what the booklet for  
Yxy(37.8454, 0.4233, 0.3506)  
contains.

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# Color

**Yxy(37.9212, 0.4232, 0.3514)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4907D
RGB	228, 144, 125
RGB Percent	89%, 56%, 49%
CMY	0.1059, 0.4353, 0.5097
CMYK	0.00, 0.37, 0.45, 0.11
HSL	11°, 66%, 69%
HSV	11°, 45%, 89%
XYZ	45.6695, 37.9212, 24.3240
YIQ	166.9500, 56.1630, 11.8990

# Conversions

## Conversions Part 2

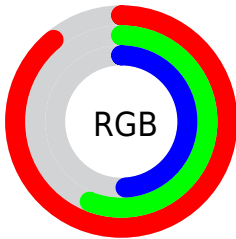
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 148, 125
Decimal	14979197
CIE Lab	67.96, 29.71, 23.41
CIE LCh	68, 37.827, 38.232
Yxy	37.9212, 0.4232, 0.3514
Android (android.graphics.Color)	4293169277 (0xFFE4907D)
YUV	166.9500, -20.6813, 53.5409
Hunter-Lab	61.5802, 24.6149, 19.6868

# Details

The Yxy color **37.9212, 0.4232, 0.3514** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **55.5706, 0.2479, 0.3044**, and the grayscale version is **38.7022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3212, 0.3746, 0.3510**, and **16.8966, 0.4575, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **32.2282, 0.4609, 0.3555**, and if you desaturate by 10%, it is **44.6797, 0.3905, 0.3465**.

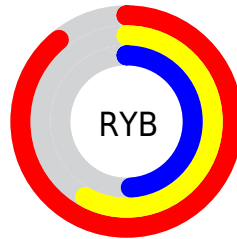
# Distribution



Red (89%)

Green (56%)

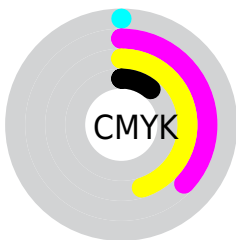
Blue (49%)



Red (89%)

Yellow (58%)

Blue (49%)

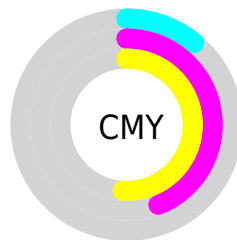


Cyan (0%)

Magenta (37%)

Yellow (45%)

Black (11%)



Cyan (11%)

Magenta (44%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9212, 0.4232, 0.3514 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 37.9212, 0.4232, 0.3514 by changing the saturation by 10% instead.





 37.9212, 0.4232,  
0.3514


 37.9212, 0.4232,  
0.3514


337.2818, 0.3656,  
0.3423


 25.9215, 0.4381,  
0.3528


 71.9873, 0.4018,  
0.3487

 16.7650, 0.4575,  
0.3541


 94.8226, 0.3939,  
0.3475

 10.0670, 0.4835,  
0.3547


 122.0385, 0.3873,  
0.3464

 5.4434, 0.5198,  
0.3532

154.0195, 0.3816,  
0.3454

 2.5097, 0.5775,  
0.3490

191.1499, 0.3768,  
0.3445

 0.8815, 0.6699,  
0.3301

233.8142, 0.3726,


 0.0000, 1.0000,


0.3437


0.0000

282.3967, 0.3689,  
0.3430

 0.0000, 0.0000,  
0.0000

 37.9212, 0.4232,  
0.3514


 37.9212, 0.4232,  
0.3514

 32.2282, 0.4609,  
0.3555


 44.6797, 0.3905,  
0.3465


 27.5403, 0.5023,  
0.3579

 52.5486, 0.3629,  
0.3413


 23.7997, 0.5445,  
0.3577

 61.5772, 0.3400,  
0.3362

 20.9403, 0.5827,  
0.3542

 71.8102, 0.3211,  
0.3314

 18.8867, 0.6117,  
0.3476

 83.2897, 0.3056,  
0.3269

■ 18.1504, 0.6223,  
0.3441

■ 95.2327, 0.2964,  
0.3290

# Harmonies

## Analogous

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



37.9212, 0.3931, 0.3079



37.9212, 0.4232, 0.3514



37.9212, 0.4197, 0.3940

# Triad

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



37.9212, 0.4232, 0.3514



37.9212, 0.2797, 0.3997



37.9212, 0.2386, 0.2401

# Complementary

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



37.9212, 0.4232, 0.3514



55.5706, 0.2479, 0.3044

# 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.



37.9212, 0.2146, 0.2542



37.9212, 0.4232, 0.3514



37.9212, 0.2361, 0.3448

# Square

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



37.9212, 0.4232, 0.3514



37.9212, 0.3346, 0.4302



37.9212, 0.2135, 0.2905



37.9212, 0.2830, 0.2467



# Rectangle

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



37.9212, 0.4232, 0.3514



37.9212, 0.4001, 0.4169



37.9212, 0.2135, 0.2905



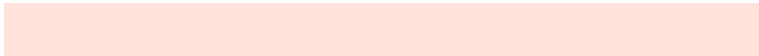
37.9212, 0.2282, 0.2424

# Sweetspot

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



37.9231, 0.4232, 0.3514



80.7180, 0.3378, 0.3357



35.7765, 0.3362, 0.2365



16.7006, 0.3423, 0.3368



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.



37.9231, 0.4232, 0.3514



42.1009, 0.4576, 0.3552



57.1781, 0.3950, 0.4084



14.7955, 0.3288, 0.3334



10.6065, 0.6201, 0.3459



0.9079, 0.5933, 0.3671



# Inverse Universe

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



55.5706, 0.2479, 0.3044



67.4041, 0.2374, 0.2985



34.2923, 0.2354, 0.2331



15.8608, 0.2981, 0.3246



23.6684, 0.2081, 0.2691



1.8667, 0.2108, 0.2788



# Previews

## White Background



This preview shows how the Yxy color 37.9212, 0.4232, 0.3514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

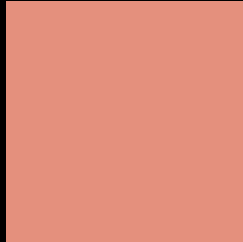
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.9212, 0.4232, 0.3514 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 37.9212, 0.4232, 0.3514**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9212, 0.4232, 0.3514.



This preview shows how white text looks on a background with the Yxy color 37.9212, 0.4232, 0.3514.

# 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

37.9212, 0.4232, 0.3514

### Protanopia

38.2518, 0.3501, 0.3729

### Deuteranopia

37.9372, 0.3856, 0.3782



## Tritanopia

37.8135, 0.3984, 0.3165

# Trichromacy



**Original Color**

37.9212, 0.4232, 0.3514

**Protanomaly**

37.6945, 0.3762, 0.3652

**Deuteranomaly**

37.9512, 0.3995, 0.3685

**Tritanomaly**

37.6608, 0.4070, 0.3281

# Monochromacy



**Original Color**

37.9212, 0.4232, 0.3514

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

37.8821, 0.3490, 0.3386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9212, 0.4232, 0.3514 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(228, 144, 125)` looks like.

```
.text, #text, p{  
    color:rgb(228, 144, 125)  
}
```

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(228, 144, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 144, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9212, 0.4232, 0.3514 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(228, 144, 125) }
```

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

```
.border{ border-color:rgb(228, 144, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 144, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 144, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 144, 125);  
box-shadow:4px 4px 4px 4px rgb(228, 144,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9212, 0.4232, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 144, 125) }
```

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

```
.background{ background-color: rgb(228,  
144, 125) }
```

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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