

# Converting Colors

$Y_{xy}(37.7209, 0.4273, 0.3474)$

Have a look what the booklet for  
Yxy(37.7209, 0.4273, 0.3474)  
contains.

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# Color

**Yxy(37.5450, 0.4269, 0.3466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E78D7E
RGB	231, 141, 126
RGB Percent	91%, 55%, 49%
CMY	0.0941, 0.4470, 0.5060
CMYK	0.00, 0.39, 0.45, 0.09
HSL	9°, 69%, 70%
HSV	9°, 45%, 91%
XYZ	46.2434, 37.5450, 24.5353
YIQ	166.2000, 58.4550, 14.4150

# Conversions

## Conversions Part 2

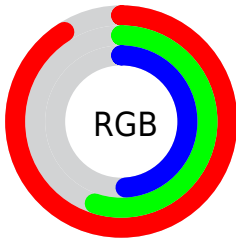
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 144, 126
Decimal	15175038
CIE Lab	67.68, 32.55, 22.58
CIE LCh	68, 39.612, 34.748
Yxy	37.5450, 0.4269, 0.3466
Android (android.graphics.Color)	4293365118 (0xFFE78D7E)
YUV	166.2000, -19.8186, 56.8296
Hunter-Lab	61.2740, 27.4843, 19.1509

# Details

The Yxy color **37.5450, 0.4269, 0.3466** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **59.2886, 0.2485, 0.3098**, and the grayscale version is **38.3116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9945, 0.3747, 0.3469**, and **16.4512, 0.4624, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **31.6934, 0.4662, 0.3497**, and if you desaturate by 10%, it is **44.5808, 0.3929, 0.3428**.

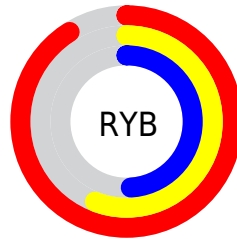
# Distribution



Red (91%)

Green (55%)

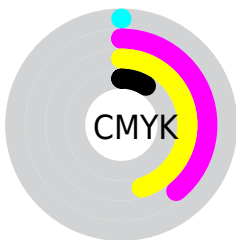
Blue (49%)



Red (91%)

Yellow (56%)

Blue (49%)

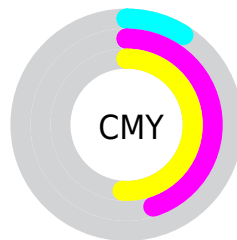


Cyan (0%)

Magenta (39%)

Yellow (45%)

Black (9%)



Cyan (9%)

Magenta (45%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5450, 0.4269, 0.3466 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 37.5450, 0.4269, 0.3466 by changing the saturation by 10% instead.





 37.5450, 0.4269,  
0.3466


 37.5450, 0.4269,  
0.3466


335.6641, 0.3672,  
0.3401


 25.6297, 0.4424,  
0.3473


 71.4102, 0.4047,  
0.3449

 16.5469, 0.4625,  
0.3477


 94.1289, 0.3965,  
0.3440

 9.9119, 0.4896,  
0.3471


 121.2176, 0.3897,  
0.3432

 5.3406, 0.5275,  
0.3440

153.0607, 0.3838,  
0.3425

 2.4485, 0.5872,  
0.3367

190.0424, 0.3788,  
0.3418

 0.8507, 0.6857,  
0.3143

232.5473, 0.3745,


 0.0000, 1.0000,

0.3412

0.0000

280.9597, 0.3706,  
0.3406


 0.0000, 0.0000,  
0.0000


 37.5450, 0.4269,  
0.3466


 37.5450, 0.4269,  
0.3466


 31.6934, 0.4662,  
0.3497

 44.5808, 0.3929,  
0.3428

 26.9553, 0.5094,  
0.3513


 52.8553, 0.3644,  
0.3388


 23.2610, 0.5530,  
0.3507


 62.4263, 0.3409,  
0.3347

 20.5304, 0.5916,  
0.3475

 73.3465, 0.3217,  
0.3310

 18.6716, 0.6194,  
0.3418

 85.6655, 0.3060,  
0.3275

 18.0815, 0.6285,  
0.3392

 95.7286, 0.2982,  
0.3290

# Harmonies

## Analogous

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



37.5450, 0.3916, 0.3017



37.5450, 0.4269, 0.3466



37.5450, 0.4271, 0.3917

# Triad

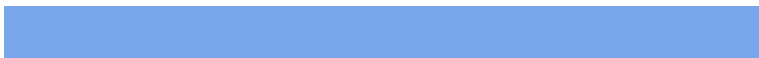
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.5450, 0.4269, 0.3466



37.5450, 0.2842, 0.4092



37.5450, 0.2311, 0.2366

# Complementary

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



37.5450, 0.4269, 0.3466



59.2886, 0.2485, 0.3098

# 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.



37.5450, 0.2088, 0.2537



37.5450, 0.4269, 0.3466



37.5450, 0.2367, 0.3526

# Square

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



37.5450, 0.4269, 0.3466



37.5450, 0.3421, 0.4369



37.5450, 0.2105, 0.2941



37.5450, 0.2751, 0.2413



# Rectangle

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



37.5450, 0.4269, 0.3466



37.5450, 0.4086, 0.4172



37.5450, 0.2105, 0.2941



37.5450, 0.2211, 0.2398

# Sweetspot

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



37.5469, 0.4269, 0.3466



79.9247, 0.3380, 0.3342



36.9103, 0.3312, 0.2309



16.5099, 0.3426, 0.3351



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.



37.5469, 0.4269, 0.3466



39.7761, 0.4655, 0.3496



56.4067, 0.3984, 0.4036



14.6994, 0.3289, 0.3324



10.2442, 0.6265, 0.3407



0.8624, 0.6026, 0.3597



# Inverse Universe

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



59.2886, 0.2485, 0.3098



70.2116, 0.2379, 0.3049



36.9238, 0.2361, 0.2396



15.9658, 0.2981, 0.3255



25.9932, 0.2120, 0.2830



2.0176, 0.2140, 0.2904



# Previews

## White Background



This preview shows how the Yxy color 37.5450, 0.4269, 0.3466 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 37.5450, 0.4269, 0.3466 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 37.5450, 0.4269, 0.3466**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5450, 0.4269, 0.3466.



This preview shows how white text looks on a background with the Yxy color 37.5450, 0.4269, 0.3466.

# 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

37.5450, 0.4269, 0.3466

### Protanopia

37.8304, 0.3476, 0.3688

### Deuteranopia

37.4859, 0.3840, 0.3758



## Tritanopia

37.6387, 0.4056, 0.3178

# Trichromacy



## Original Color

37.5450, 0.4269, 0.3466

## Protanomaly

37.0725, 0.3750, 0.3599

## Deuteranomaly

37.3216, 0.3995, 0.3648

## Tritanomaly

37.5145, 0.4133, 0.3281

# Monochromacy



## Original Color

37.5450, 0.4269, 0.3466

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.2955, 0.3515, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5450, 0.4269, 0.3466 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, 141, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 141, 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(231, 141, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 141, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5450, 0.4269, 0.3466 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, 141, 126) }
```

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

```
.border{ border-color:rgb(231, 141, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 141, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 141, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 141, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 141,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5450, 0.4269, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 141, 126) }
```

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

```
.background{ background-color: rgb(231,  
141, 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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