

# Converting Colors

$Y_{xy}(37.6880, 0.4331, 0.3360)$

Have a look what the booklet for  
Yxy(37.6880, 0.4331, 0.3360)  
contains.

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# Color

**Yxy(37.5707, 0.4331, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF8882
RGB	239, 136, 130
RGB Percent	94%, 53%, 51%
CMY	0.0628, 0.4666, 0.4902
CMYK	0.00, 0.43, 0.46, 0.06
HSL	3°, 77%, 72%
HSV	3°, 46%, 94%
XYZ	48.4282, 37.5707, 25.8187
YIQ	166.1130, 63.3140, 19.9700

# Conversions

## Conversions Part 2

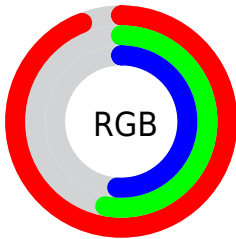
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 136, 130
Decimal	15698050
CIE Lab	67.70, 38.56, 20.52
CIE LCh	68, 43.686, 28.023
Yxy	37.5707, 0.4331, 0.3360
Android (android.graphics.Color)	4293888130 (0xFFEF8882)
YUV	166.1130, -17.8037, 63.9219
Hunter-Lab	61.2949, 33.7639, 17.9323

# Details

The Yxy color **37.5707, 0.4331, 0.3360** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.2456, 0.2504, 0.3216**, and the grayscale version is **38.2570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9405, 0.3728, 0.3375**, and **16.6380, 0.4707, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **31.2985, 0.4756, 0.3372**, and if you desaturate by 10%, it is **45.3356, 0.3966, 0.3345**.

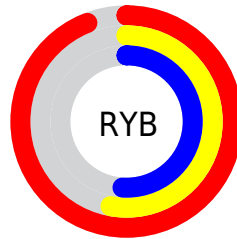
# Distribution



Red (94%)

Green (53%)

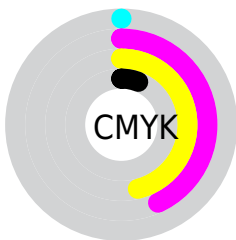
Blue (51%)



Red (94%)

Yellow (53%)

Blue (51%)

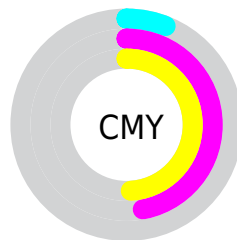


Cyan (0%)

Magenta (43%)

Yellow (46%)

Black (6%)



Cyan (6%)

Magenta (47%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5707, 0.4331, 0.3360 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 37.5707, 0.4331, 0.3360 by changing the saturation by 10% instead.





 37.5707, 0.4331,  
0.3360

 37.5707, 0.4331,  
0.3360


335.7748, 0.3702,  
0.3350

 25.6497, 0.4494,  
0.3353


 71.4497, 0.4097,  
0.3363

 16.5617, 0.4707,  
0.3339


 94.1764, 0.4011,  
0.3362

 9.9225, 0.4993,  
0.3309


 121.2738, 0.3938,  
0.3361

 5.3476, 0.5393,  
0.3245

153.1262, 0.3877,  
0.3359

 2.4526, 0.5998,  
0.3114

190.1182, 0.3824,  
0.3356

 0.8528, 0.7131,  
0.2869

232.6340, 0.3778,


 0.0000, 1.0000,

0.3354


0.0000


281.0581, 0.3738,  
0.3352


 0.0000, 0.0000,  
0.0000

 37.5707, 0.4331,  
0.3360


 37.5707, 0.4331,  
0.3360


 31.2985, 0.4756,  
0.3372

 45.3356, 0.3966,  
0.3345

 26.4179, 0.5221,  
0.3377


 54.6743, 0.3663,  
0.3329


 22.8246, 0.5680,  
0.3372


 65.6691, 0.3418,  
0.3313

 20.3967, 0.6063,  
0.3355

 78.3946, 0.3221,  
0.3298

 18.9894, 0.6306,  
0.3330

 92.9210, 0.3061,  
0.3284

 18.6418, 0.6371,  
0.3323

 97.0894, 0.3029,  
0.3290

# Harmonies

## Analogous

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



37.5707, 0.3867, 0.2888



37.5707, 0.4331, 0.3360



37.5707, 0.4418, 0.3858

# Triad

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



37.5707, 0.4331, 0.3360



37.5707, 0.2945, 0.4289



37.5707, 0.2160, 0.2302

# Complementary

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



37.5707, 0.4331, 0.3360



69.2456, 0.2504, 0.3216

# 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.



37.5707, 0.1977, 0.2538



37.5707, 0.4331, 0.3360



37.5707, 0.2390, 0.3703

# Square

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



37.5707, 0.4331, 0.3360



37.5707, 0.3582, 0.4493



37.5707, 0.2052, 0.3031



37.5707, 0.2587, 0.2305



# Rectangle

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



37.5707, 0.4331, 0.3360



37.5707, 0.4260, 0.4160



37.5707, 0.2052, 0.3031



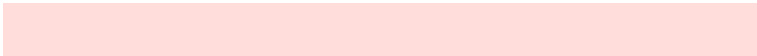
37.5707, 0.2071, 0.2352

# Sweetspot

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



37.5726, 0.4331, 0.3360



78.2451, 0.3385, 0.3311



40.2293, 0.3228, 0.2225



16.1071, 0.3432, 0.3314



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.



37.5726, 0.4331, 0.3360



36.5301, 0.4738, 0.3371



56.7649, 0.4035, 0.3947



15.8986, 0.3292, 0.3304



10.3608, 0.6361, 0.3332



0.9108, 0.6258, 0.3413



# Inverse Universe

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



69.2456, 0.2504, 0.3216



77.5327, 0.2410, 0.3198



43.2367, 0.2379, 0.2514



17.7708, 0.2981, 0.3276



33.5142, 0.2199, 0.3117



2.8333, 0.2206, 0.3141



# Previews

## White Background



This preview shows how the Yxy color 37.5707, 0.4331, 0.3360 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 37.5707, 0.4331, 0.3360 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 37.5707, 0.4331, 0.3360**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5707, 0.4331, 0.3360.



This preview shows how white text looks on a background with the Yxy color 37.5707, 0.4331, 0.3360.

# 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

37.5707, 0.4331, 0.3360

### Protanopia

37.8081, 0.3391, 0.3589

### Deuteranopia

37.7720, 0.3796, 0.3733



## Tritanopia

37.5891, 0.4190, 0.3182

# Trichromacy



## Original Color

37.5707, 0.4331, 0.3360

## Protanomaly

36.8456, 0.3718, 0.3491

## Deuteranomaly

37.3672, 0.3990, 0.3595

## Tritanomaly

37.7173, 0.4243, 0.3249

# Monochromacy



## Original Color

37.5707, 0.4331, 0.3360

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.0801, 0.3531, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5707, 0.4331, 0.3360 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(239, 136, 130)` looks like.

```
.text, #text, p{  
    color:rgb(239, 136, 130)  
}
```

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(239, 136, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 136, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5707, 0.4331, 0.3360 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(239, 136, 130) }
```

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

```
.border{ border-color:rgb(239, 136, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 136, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 136, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 136, 130);  
box-shadow:4px 4px 4px 4px rgb(239, 136,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5707, 0.4331, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 136, 130) }
```

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

```
.background{ background-color: rgb(239,  
136, 130) }
```

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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