

# Converting Colors

$Y_{xy}(37.1066, 0.3728, 0.2670)$

Have a look what the booklet for  
Yxy(37.1066, 0.3728, 0.2670)  
contains.

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# Color

**Yxy(37.1183, 0.3717, 0.2667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE80B9
RGB	238, 128, 185
RGB Percent	93%, 50%, 73%
CMY	0.0667, 0.4980, 0.2746
CMYK	0.00, 0.46, 0.22, 0.07
HSL	329°, 76%, 72%
HSV	329°, 46%, 93%
XYZ	51.7318, 37.1183, 50.3261
YIQ	167.3880, 47.2630, 41.0470

# Conversions

## Conversions Part 2

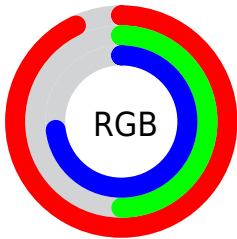
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 128, 185
Decimal	15630521
CIE Lab	67.37, 48.90, -10.90
CIE LCh	67, 50.100, 347.433
Yxy	37.1183, 0.3717, 0.2667
Android (android.graphics.Color)	4293820601 (0xFFEE80B9)
YUV	167.3880, 8.6827, 61.9267
Hunter-Lab	60.9248, 44.9476, -6.3284

# Details

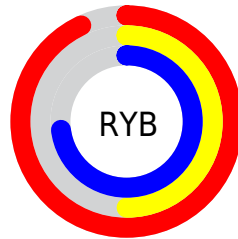
The Yxy color **37.1183, 0.3717, 0.2667** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **69.0710, 0.2789, 0.4029**, and the grayscale version is **38.7839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4778, 0.3266, 0.2712**, and **16.4014, 0.3890, 0.2502** is the 20% darker color. If you saturate the color by 10%, you get **31.1568, 0.3911, 0.2548**, and if you desaturate by 10%, it is **44.5783, 0.3548, 0.2801**.

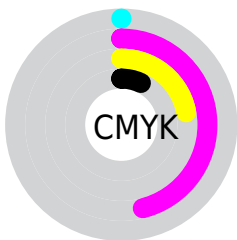
# Distribution



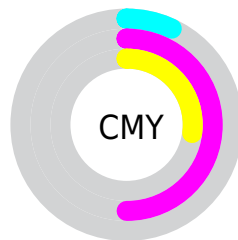
- Red (93%)
- Green (50%)
- Blue (73%)



- Red (93%)
- Yellow (50%)
- Blue (73%)



- Cyan (0%)
- Magenta (46%)
- Yellow (22%)
- Black (7%)




- Cyan (7%)
- Magenta (50%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1183, 0.3717, 0.2667 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 37.1183, 0.3717, 0.2667 by changing the saturation by 10% instead.




 37.1183, 0.3717,  
0.2667


 37.1183, 0.3717,  
0.2667


333.8224, 0.3419,  
0.2975


 25.2991, 0.3792,  
0.2592


 70.7547, 0.3608,  
0.2778

 16.3000, 0.3889,  
0.2496

 93.3407, 0.3568,  
0.2820

 9.7367, 0.4017,  
0.2371


 120.2844, 0.3533,  
0.2855

 5.2247, 0.4198,  
0.2200

151.9702, 0.3504,  
0.2886

 2.3797, 0.4467,  
0.1953

188.7825, 0.3478,  
0.2912

 0.8154, 0.4909,  
0.1572

231.1057, 0.3456,

 0.0000, 0.6739,

0.2936

0.0000

279.3242, 0.3437,  
0.2956

■ 0.0000, 0.0000,  
0.0000

■ 37.1183, 0.3717,  
0.2667

■ 37.1183, 0.3717,  
0.2667

■ 31.1568, 0.3911,  
0.2548

■ 44.5783, 0.3548,  
0.2801

■ 26.5842, 0.4128,  
0.2456

■ 53.6255, 0.3403,  
0.2940

■ 23.2845, 0.4360,  
0.2403

■ 64.3482, 0.3282,  
0.3078


■ 21.1201, 0.4599,  
0.2400


■ 76.8265, 0.3181,  
0.3211

■ 19.9199, 0.4830,  
0.2453

■ 91.1353, 0.3097,  
0.3337

 19.6124, 0.4916,  
0.2482

 96.8390, 0.3030,  
0.3301

 96.9154, 0.3023,  
0.3290

# Harmonies

## Analogous

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



37.1183, 0.2944, 0.2310



37.1183, 0.3717, 0.2667



37.1183, 0.4369, 0.3160

# Triad

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



37.1183, 0.3717, 0.2667



37.1183, 0.3872, 0.4630



37.1183, 0.1826, 0.2586

# Complementary

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



37.1183, 0.3717, 0.2667



69.0710, 0.2789, 0.4029

# 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.



37.1183, 0.2007, 0.3240



37.1183, 0.3717, 0.2667



37.1183, 0.3161, 0.4603

# Square

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



37.1183, 0.3717, 0.2667



37.1183, 0.4419, 0.4251



37.1183, 0.2479, 0.4045



37.1183, 0.1931, 0.2228



# Rectangle

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



37.1183, 0.3717, 0.2667



37.1183, 0.4593, 0.3527



37.1183, 0.2479, 0.4045



37.1183, 0.1854, 0.2773

# Sweetspot

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



37.1201, 0.3717, 0.2667



78.2405, 0.3259, 0.3107



31.2391, 0.2651, 0.1980



16.1081, 0.3282, 0.3078



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.



37.1201, 0.3717, 0.2667



37.0694, 0.3891, 0.2559



35.2754, 0.4345, 0.3253



15.8956, 0.3212, 0.3168



10.9691, 0.4882, 0.2463



0.9326, 0.4602, 0.2309



# Inverse Universe

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



37.1201, 0.3717, 0.2667



37.0694, 0.3891, 0.2559



71.6930, 0.2528, 0.3333



15.8956, 0.3212, 0.3168



10.9691, 0.4882, 0.2463



0.9326, 0.4602, 0.2309



# Previews

## White Background



This preview shows how the Yxy color 37.1183, 0.3717, 0.2667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

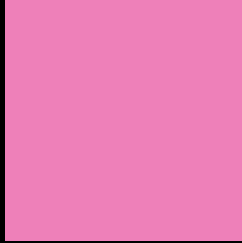
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.1183, 0.3717, 0.2667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

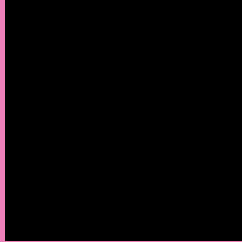
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.1183, 0.3717, 0.2667**

## Background



This preview shows how black text looks on a background with the Yxy color 37.1183, 0.3717, 0.2667.



This preview shows how white text looks on a background with the Yxy color 37.1183, 0.3717, 0.2667.

# 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

37.1183, 0.3717, 0.2667

### Protanopia

37.5208, 0.2686, 0.2679

### Deuteranopia

37.3211, 0.3074, 0.3016



## Tritanopia

37.1761, 0.4098, 0.3179

# Trichromacy



## Original Color

37.1183, 0.3717, 0.2667



## Protanomaly

36.1732, 0.3006, 0.2646



## Deuteranomaly

36.4275, 0.3297, 0.2856



## Tritanomaly

36.9753, 0.3958, 0.2987

# Monochromacy



## Original Color

37.1183, 0.3717, 0.2667



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

37.1759, 0.3328, 0.3016

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1183, 0.3717, 0.2667 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(238, 128, 185)` looks like.

```
.text, #text, p{  
    color:rgb(238, 128, 185)  
}
```

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(238, 128, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 128, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1183, 0.3717, 0.2667 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(238, 128, 185) }
```

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

```
.border{ border-color:rgb(238, 128, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 128, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 128, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 128, 185);  
box-shadow:4px 4px 4px 4px rgb(238, 128,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1183, 0.3717, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 128, 185) }
```

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

```
.background{ background-color: rgb(238,  
128, 185) }
```

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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