

# Converting Colors

$Yxy(37.6520, 0.3803, 0.3067)$

Have a look what the booklet for  
Yxy(37.6520, 0.3803, 0.3067)  
contains.

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# **Color**

**Yxy(37.7665, 0.3804, 0.3067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E08EA1
RGB	224, 142, 161
RGB Percent	88%, 56%, 63%
CMY	0.1216, 0.4431, 0.3687
CMYK	0.00, 0.37, 0.28, 0.12
HSL	346°, 57%, 72%
HSV	346°, 37%, 88%
XYZ	46.8418, 37.7665, 38.5300
YIQ	168.6840, 42.7730, 23.2930

# Conversions

## Conversions Part 2

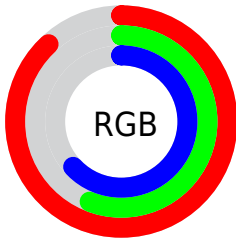
Format	Color
<a href="#">RYB</a>	<a href="#">224, 142, 161</a>
Decimal	<a href="#">14716577</a>
CIELab	<a href="#">67.85, 33.53, 3.10</a>
CIELCh	<a href="#">68, 33.672, 5.287</a>
Yxy	<a href="#">37.7665, 0.3804, 0.3067</a>
Android (android.graphics.Color)	<a href="#">4292906657</a> ( <a href="#">0xFFE08EA1</a> )
YUV	<a href="#">168.6840, -3.7882, 48.5121</a>
Hunter-Lab	<a href="#">61.4545, 28.5109, 5.8452</a>

# Details

The Yxy color **37.7665, 0.3804, 0.3067** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **63.4647, 0.2717, 0.3531**, and the grayscale version is **39.5160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1504, 0.3446, 0.3097**, and **16.6536, 0.4012, 0.2982** is the 20% darker color. If you saturate the color by 10%, you get **31.1925, 0.4091, 0.3008**, and if you desaturate by 10%, it is **45.7668, 0.3566, 0.3130**.

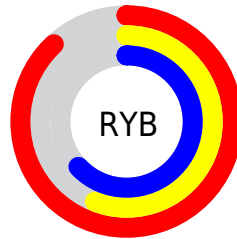
# Distribution



Red (88%)

Green (56%)

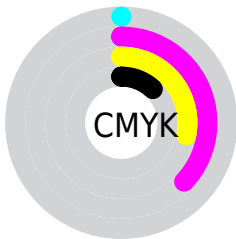
Blue (63%)



Red (88%)

Yellow (56%)

Blue (63%)

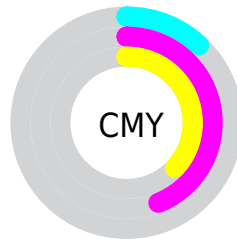


Cyan (0%)

Magenta (37%)

Yellow (28%)

Black (12%)



Cyan (12%)

Magenta (44%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7665, 0.3804, 0.3067 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 37.7665, 0.3804, 0.3067 by changing the saturation by 10% instead.





 37.7665, 0.3804,  
0.3067


 37.7665, 0.3804,  
0.3067


336.6173, 0.3453,  
0.3186

 25.8015, 0.3896,  
0.3035


 71.7501, 0.3673,  
0.3112

 16.6752, 0.4016,  
0.2993


 94.5375, 0.3625,  
0.3128

 10.0032, 0.4181,  
0.2934


121.7012, 0.3585,  
0.3142

 5.4011, 0.4418,  
0.2848

153.6255, 0.3550,  
0.3153

 2.4845, 0.4788,  
0.2708

190.6949, 0.3521,  
0.3163

 0.8688, 0.5466,  
0.2465

233.2937, 0.3495,

 0.0000, 1.0000,

0.3171


0.0000

281.8064, 0.3473,  
0.3179

 0.0000, 0.0000,  
0.0000


 37.7665, 0.3804,  
0.3067


 37.7665, 0.3804,  
0.3067


 31.1925, 0.4091,  
0.3008


 45.7668, 0.3566,  
0.3130


 25.9555, 0.4429,  
0.2960

 55.2653, 0.3372,  
0.3193


 21.9641, 0.4810,  
0.2933

 66.3352, 0.3214,  
0.3253

 19.1136, 0.5211,  
0.2937

 79.0436, 0.3087,  
0.3309

 17.2814, 0.5597,  
0.2979

 93.4535, 0.2983,  
0.3360

■ 16.3128, 0.5920,  
0.3059

■ 94.5850, 0.2940,  
0.3289

■ 16.0914, 0.6015,  
0.3087

# Harmonies

## Analogous

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



37.7665, 0.3321, 0.2738



37.7665, 0.3804, 0.3067



37.7665, 0.4098, 0.3460

# Triad

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



37.7665, 0.3804, 0.3067



37.7665, 0.3378, 0.4196



37.7665, 0.2232, 0.2645

# Complementary

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



37.7665, 0.3804, 0.3067



63.4647, 0.2717, 0.3531

# 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.



37.7665, 0.2245, 0.2994



37.7665, 0.3804, 0.3067



37.7665, 0.2882, 0.3953

# Square

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



37.7665, 0.3804, 0.3067



37.7665, 0.3828, 0.4133



37.7665, 0.2473, 0.3484



37.7665, 0.2431, 0.2493



# Rectangle

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



37.7665, 0.3804, 0.3067



37.7665, 0.4133, 0.3724



37.7665, 0.2473, 0.3484



37.7665, 0.2212, 0.2741

# Sweetspot

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



37.7683, 0.3804, 0.3067



82.0792, 0.3281, 0.3226



37.6909, 0.2994, 0.2338



17.1353, 0.3302, 0.3218



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.



37.7683, 0.3804, 0.3067



43.7005, 0.4021, 0.3021



44.3045, 0.3918, 0.3551



13.7522, 0.3256, 0.3236



9.3824, 0.5979, 0.3067



0.6640, 0.5544, 0.2827



# Inverse Universe

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



37.7683, 0.3804, 0.3067



43.7005, 0.4021, 0.3021



53.4340, 0.2577, 0.3009



13.7522, 0.3256, 0.3236



9.3824, 0.5979, 0.3067

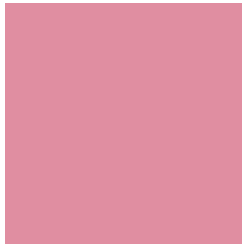


0.6640, 0.5544, 0.2827



# Previews

## White Background



This preview shows how the Yxy color 37.7665, 0.3804, 0.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

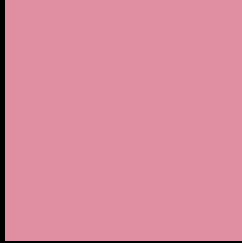
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.7665, 0.3804, 0.3067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

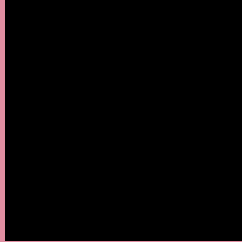
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.7665, 0.3804, 0.3067**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7665, 0.3804, 0.3067.



This preview shows how white text looks on a background with the Yxy color 37.7665, 0.3804, 0.3067.

# 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

37.7665, 0.3804, 0.3067

### Protanopia

38.0733, 0.3060, 0.3164

### Deuteranopia

37.9245, 0.3390, 0.3318



## Tritanopia

37.6660, 0.3867, 0.3161

# Trichromacy



**Original Color**

37.7665, 0.3804, 0.3067

**Protanomaly**

37.5433, 0.3311, 0.3130

**Deuteranomaly**

37.4278, 0.3537, 0.3213

**Tritanomaly**

37.7672, 0.3834, 0.3125

# Monochromacy



**Original Color**

37.7665, 0.3804, 0.3067

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

38.3683, 0.3356, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7665, 0.3804, 0.3067 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(224, 142, 161)` looks like.

```
.text, #text, p{  
    color:rgb(224, 142, 161)  
}
```

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(224, 142, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 142, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7665, 0.3804, 0.3067 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(224, 142, 161) }
```

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

```
.border{ border-color:rgb(224, 142, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 142, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 142, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 142, 161); box-shadow:4px 4px 4px 4px rgb(224, 142, 161) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7665, 0.3804, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 142, 161) }
```

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

```
.background{ background-color: rgb(224,  
142, 161) }
```

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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