

# Converting Colors

$Yxy(37.2934, 0.3722, 0.3103)$

Have a look what the booklet for  
Yxy(37.2934, 0.3722, 0.3103)  
contains.

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# Color

**Yxy(37.3878, 0.3723, 0.3108)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D891A0
RGB	216, 145, 160
RGB Percent	85%, 57%, 63%
CMY	0.1530, 0.4313, 0.3725
CMYK	0.00, 0.33, 0.26, 0.15
HSL	347°, 48%, 71%
HSV	347°, 33%, 85%
XYZ	44.7860, 37.3878, 38.1216
YIQ	167.9390, 37.5010, 19.7170

# Conversions

## Conversions Part 2

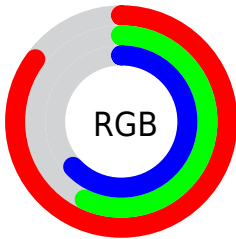
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 145, 160
Decimal	14193056
CIE Lab	67.57, 28.88, 3.12
CIE LCh	68, 29.045, 6.166
Yxy	37.3878, 0.3723, 0.3108
Android (android.graphics.Color)	4292383136 (0xFFD891A0)
YUV	167.9390, -3.9139, 42.1495
Hunter-Lab	61.1456, 23.7373, 5.8372

# Details

The Yxy color **37.3878, 0.3723, 0.3108** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **59.3379, 0.2746, 0.3484**, and the grayscale version is **39.1335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4748, 0.3449, 0.3138**, and **16.5831, 0.3909, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **30.8479, 0.3998, 0.3052**, and if you desaturate by 10%, it is **45.2676, 0.3497, 0.3166**.

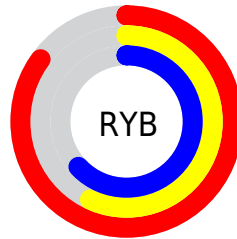
# Distribution



Red (85%)

Green (57%)

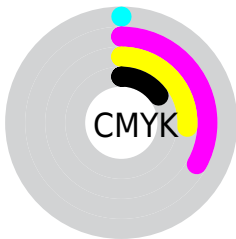
Blue (63%)



Red (85%)

Yellow (57%)

Blue (63%)

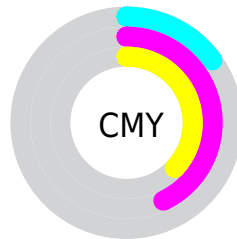


Cyan (0%)

Magenta (33%)

Yellow (26%)

Black (15%)



Cyan (15%)

Magenta (43%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3878, 0.3723, 0.3108 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 37.3878, 0.3723, 0.3108 by changing the saturation by 10% instead.





 37.3878, 0.3723,  
0.3108

 37.3878, 0.3723,  
0.3108


334.9864, 0.3413,  
0.3205

 25.5079, 0.3804,  
0.3082


 71.1688, 0.3607,  
0.3145

 16.4559, 0.3911,  
0.3047


 93.8387, 0.3565,  
0.3158

 9.8473, 0.4058,  
0.2998

120.8741, 0.3529,  
0.3169

 5.2978, 0.4270,  
0.2925

152.6593, 0.3499,  
0.3179

 2.4230, 0.4605,  
0.2807

189.5787, 0.3473,  
0.3187

 0.8377, 0.5243,  
0.2602

232.0168, 0.3450,

 0.0000, 1.0000,

0.3194


0.0000


280.3579, 0.3431,  
0.3200

 0.0000, 0.0000,  
0.0000

 37.3878, 0.3723,  
0.3108


 37.3878, 0.3723,  
0.3108


 30.8479, 0.3998,  
0.3052


 45.2676, 0.3497,  
0.3166

 25.5680, 0.4326,  
0.3005


 54.5507, 0.3313,  
0.3222


 21.4679, 0.4701,  
0.2972

 65.3029, 0.3164,  
0.3275

 18.4558, 0.5108,  
0.2966

 77.5844, 0.3044,  
0.3325

 16.4265, 0.5511,  
0.2993

 91.4519, 0.2946,  
0.3370

■ 15.2533, 0.5863,  
0.3058

■ 93.3357, 0.2894,  
0.3289

■ 14.7903, 0.6066,  
0.3115

# Harmonies

## Analogous

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



37.3878, 0.3311, 0.2814



37.3878, 0.3723, 0.3108



37.3878, 0.3970, 0.3457

# Triad

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



37.3878, 0.3723, 0.3108



37.3878, 0.3338, 0.4065



37.3878, 0.2345, 0.2725

# Complementary

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



37.3878, 0.3723, 0.3108



59.3379, 0.2746, 0.3484

# 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.



37.3878, 0.2352, 0.3028



37.3878, 0.3723, 0.3108



37.3878, 0.2906, 0.3847

# Square

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



37.3878, 0.3723, 0.3108



37.3878, 0.3730, 0.4028



37.3878, 0.2550, 0.3447



37.3878, 0.2528, 0.2591



# Rectangle

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



37.3878, 0.3723, 0.3108



37.3878, 0.3997, 0.3686



37.3878, 0.2550, 0.3447



37.3878, 0.2326, 0.2809

# Sweetspot

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



37.3896, 0.3723, 0.3108



83.5676, 0.3269, 0.3237



37.5745, 0.3023, 0.2443



17.4309, 0.3291, 0.3230



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.



37.3896, 0.3723, 0.3108



48.0436, 0.3896, 0.3071



43.5944, 0.3806, 0.3538



12.4633, 0.3258, 0.3241



8.7692, 0.6031, 0.3096



0.5413, 0.5544, 0.2828



# Inverse Universe

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



37.3896, 0.3723, 0.3108



48.0436, 0.3896, 0.3071



50.4001, 0.2629, 0.3026



12.4633, 0.3258, 0.3241



8.7692, 0.6031, 0.3096



0.5413, 0.5544, 0.2828



# Previews

## White Background



This preview shows how the Yxy color 37.3878, 0.3723, 0.3108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

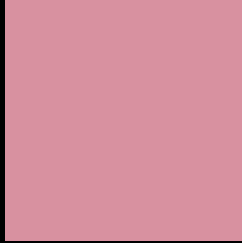
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.3878, 0.3723, 0.3108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

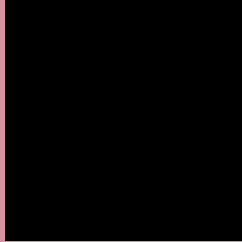
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.3878, 0.3723, 0.3108**

## Background



This preview shows how black text looks on a background with the Yxy color 37.3878, 0.3723, 0.3108.



This preview shows how white text looks on a background with the Yxy color 37.3878, 0.3723, 0.3108.

# 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

37.3878, 0.3723, 0.3108

### Protanopia

37.5982, 0.3085, 0.3191

### Deuteranopia

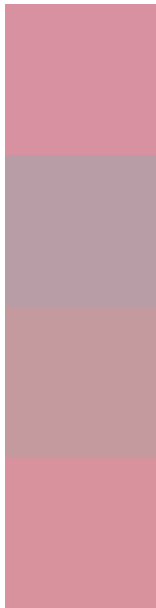
37.4209, 0.3392, 0.3318



## Tritanopia

37.5910, 0.3753, 0.3157

# Trichromacy



## Original Color

37.3878, 0.3723, 0.3108

## Protanomaly

37.0943, 0.3300, 0.3155

## Deuteranomaly

37.3156, 0.3514, 0.3239

## Tritanomaly

37.6253, 0.3742, 0.3145

# Monochromacy



## Original Color

37.3878, 0.3723, 0.3108

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

38.1725, 0.3324, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.3878, 0.3723, 0.3108 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(216, 145, 160)` looks like.

```
.text, #text, p{  
    color:rgb(216, 145, 160)  
}
```

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(216, 145, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 145, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 37.3878, 0.3723, 0.3108 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(216, 145, 160) }
```

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

```
.border{ border-color:rgb(216, 145, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 145, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 145, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 145, 160);  
box-shadow:4px 4px 4px 4px rgb(216, 145,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.3878, 0.3723, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 145, 160) }
```

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

```
.background{ background-color: rgb(216,  
145, 160) }
```

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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