

# Converting Colors

$Yxy(37.8783, 0.3576, 0.3099)$

Have a look what the booklet for  
Yxy(37.8783, 0.3576, 0.3099)  
contains.

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# Color

**Yxy(37.9392, 0.3575, 0.3103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D096A5
RGB	208, 150, 165
RGB Percent	82%, 59%, 65%
CMY	0.1843, 0.4117, 0.3529
CMYK	0.00, 0.28, 0.21, 0.18
HSL	344°, 38%, 70%
HSV	344°, 28%, 82%
XYZ	43.7102, 37.9392, 40.6168
YIQ	169.0520, 29.7530, 16.9610

# Conversions

## Conversions Part 2

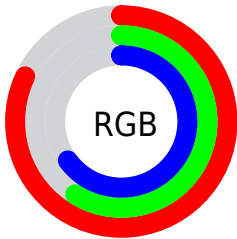
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 150, 165
Decimal	13670053
CIE <sub>Lab</sub>	67.98, 23.97, 0.81
CIE <sub>LCh</sub>	68, 23.988, 1.944
Yxy	37.9392, 0.3575, 0.3103
Android (android.graphics.Color)	4291860133 (0xFFD096A5)
YUV	169.0520, -1.9976, 34.1574
Hunter-Lab	61.5948, 18.8799, 4.0194

# Details

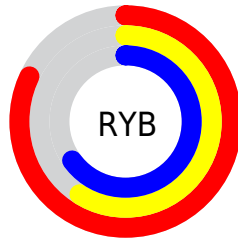
The Yxy color **37.9392, 0.3575, 0.3103** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.4465, 0.2815, 0.3487**, and the grayscale version is **39.7033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0900, 0.3403, 0.3139**, and **16.8882, 0.3724, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **31.3531, 0.3808, 0.3033**, and if you desaturate by 10%, it is **45.7748, 0.3384, 0.3173**.

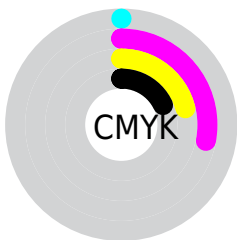
# Distribution



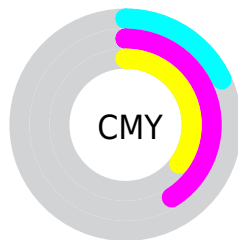
- Red (82%)
- Green (59%)
- Blue (65%)



- Red (82%)
- Yellow (59%)
- Blue (65%)



- Cyan (0%)
- Magenta (28%)
- Yellow (21%)
- Black (18%)




- Cyan (18%)
- Magenta (41%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9392, 0.3575, 0.3103 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 37.9392, 0.3575, 0.3103 by changing the saturation by 10% instead.




 37.9392, 0.3575,  
0.3103

 37.9392, 0.3575,  
0.3103


337.3591, 0.3343,  
0.3200

 25.9355, 0.3636,  
0.3077


 72.0149, 0.3489,  
0.3139

 16.7754, 0.3715,  
0.3044


 94.8558, 0.3457,  
0.3153

 10.0745, 0.3824,  
0.2997


122.0778, 0.3430,  
0.3164

 5.4484, 0.3981,  
0.2930

154.0653, 0.3408,  
0.3173

 2.5127, 0.4229,  
0.2823

191.2028, 0.3388,  
0.3182

 0.8830, 0.4675,  
0.2630

233.8747, 0.3371,

 0.0000, 1.0000,

0.3189

0.0000

282.4653, 0.3356,  
0.3195

0.0000, 0.0000,  
0.0000

37.9392, 0.3575,  
0.3103

37.9392, 0.3575,  
0.3103

31.3531, 0.3808,  
0.3033

45.7748, 0.3384,  
0.3173

25.9464, 0.4088,  
0.2968

54.9145, 0.3229,  
0.3240

21.6503, 0.4415,  
0.2916

65.4162, 0.3103,  
0.3303

18.3867, 0.4782,  
0.2886

77.3328, 0.3000,  
0.3361

16.0671, 0.5169,  
0.2889

90.7142, 0.2916,  
0.3414

■ 14.5880, 0.5542,  
0.2934

■ 92.1498, 0.2849,  
0.3289

■ 13.8014, 0.5860,  
0.3018

■ 13.6742, 0.5922,  
0.3036

# Harmonies

## Analogous

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



37.9392, 0.3229, 0.2865



37.9392, 0.3575, 0.3103



37.9392, 0.3801, 0.3393

# Triad

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



37.9392, 0.3575, 0.3103



37.9392, 0.3355, 0.3929



37.9392, 0.2467, 0.2854

# Complementary

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



37.9392, 0.3575, 0.3103



55.4465, 0.2815, 0.3487

# 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.



37.9392, 0.2497, 0.3125



37.9392, 0.3575, 0.3103



37.9392, 0.2997, 0.3778

# Square

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



37.9392, 0.3575, 0.3103



37.9392, 0.3664, 0.3881



37.9392, 0.2686, 0.3471



37.9392, 0.2599, 0.2717



# Rectangle

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



37.9392, 0.3575, 0.3103



37.9392, 0.3845, 0.3587



37.9392, 0.2686, 0.3471



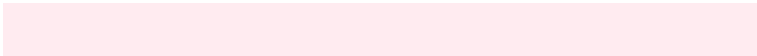
37.9392, 0.2458, 0.2931

# Sweetspot

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



37.9410, 0.3575, 0.3103



86.7317, 0.3232, 0.3239



37.6449, 0.3016, 0.2571



18.0642, 0.3253, 0.3229



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.



37.9410, 0.3575, 0.3103



54.1620, 0.3698, 0.3064



41.9977, 0.3686, 0.3462



11.8577, 0.3250, 0.3230



8.5361, 0.5886, 0.3016



0.4904, 0.5352, 0.2722



# Inverse Universe

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



37.9410, 0.3575, 0.3103



54.1620, 0.3698, 0.3064



49.8307, 0.2707, 0.3111



11.8577, 0.3250, 0.3230



8.5361, 0.5886, 0.3016

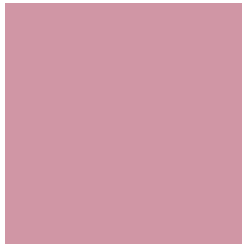


0.4904, 0.5352, 0.2722



# Previews

## White Background



This preview shows how the Yxy color 37.9392, 0.3575, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

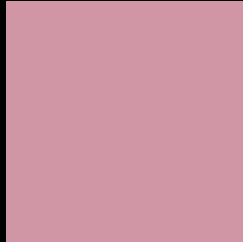
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.9392, 0.3575, 0.3103 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 37.9392, 0.3575, 0.3103**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9392, 0.3575, 0.3103.



This preview shows how white text looks on a background with the Yxy color 37.9392, 0.3575, 0.3103.

# 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

37.9392, 0.3575, 0.3103

### Protanopia

38.1817, 0.3069, 0.3164

### Deuteranopia

38.2014, 0.3322, 0.3263



## Tritanopia

37.8312, 0.3606, 0.3140

# Trichromacy



## Original Color

37.9392, 0.3575, 0.3103

## Protanomaly

38.0270, 0.3240, 0.3142

## Deuteranomaly

38.0007, 0.3408, 0.3198

## Tritanomaly

37.8669, 0.3596, 0.3128

# Monochromacy



## Original Color

37.9392, 0.3575, 0.3103

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.7351, 0.3274, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9392, 0.3575, 0.3103 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(208, 150, 165)` looks like.

```
.text, #text, p{  
    color:rgb(208, 150, 165)  
}
```

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(208, 150, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 150, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9392, 0.3575, 0.3103 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(208, 150, 165) }
```

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

```
.border{ border-color:rgb(208, 150, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 150, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 150, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 150, 165);  
box-shadow:4px 4px 4px 4px rgb(208, 150,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9392, 0.3575, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 150, 165) }
```

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

```
.background{ background-color: rgb(208,  
150, 165) }
```

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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