

# Converting Colors

Yxy(37.9394, 0.3147, 0.2715)

Have a look what the booklet for  
Yxy(37.9394, 0.3147, 0.2715)  
contains.

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# Color

**Yxy(37.9002, 0.3145, 0.2714)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C497C5
RGB	196, 151, 197
RGB Percent	77%, 59%, 77%
CMY	0.2312, 0.4079, 0.2274
CMYK	0.00, 0.23, 0.00, 0.23
HSL	299°, 28%, 68%
HSV	299°, 23%, 77%
XYZ	43.9190, 37.9002, 57.8278
YIQ	169.6990, 12.0540, 23.8460

# Conversions

## Conversions Part 2

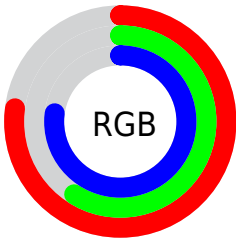
Format	Color
R <sub>Y</sub> B	196, 151, 197
Decimal	12883909
CIE <sub>Lab</sub>	67.95, 24.71, -17.23
CIE <sub>LCh</sub>	68, 30.125, 325.115
Y <sub>xy</sub>	37.9002, 0.3145, 0.2714
Android (android.graphics.Color)	4291073989 (0xFFC497C5)
YUV	169.6990, 13.4594, 23.0660
Hunter-Lab	61.5631, 19.6060, -12.5984

# Details

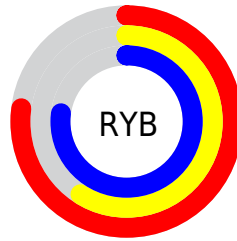
The Yxy color **37.9002, 0.3145, 0.2714** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.8398, 0.3104, 0.3939**, and the grayscale version is **39.9705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1810, 0.3142, 0.2818**, and **16.8483, 0.3148, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **32.0275, 0.3152, 0.2468**, and if you desaturate by 10%, it is **44.8359, 0.3138, 0.2964**.

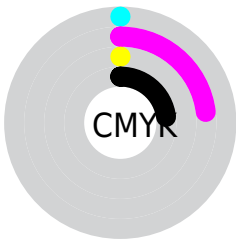
# Distribution



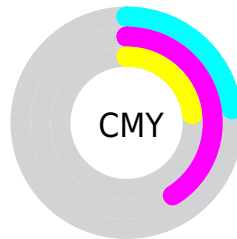
- Red (77%)
- Green (59%)
- Blue (77%)



- Red (77%)
- Yellow (59%)
- Blue (77%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (23%)




- Cyan (23%)
- Magenta (41%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9002, 0.3145, 0.2714 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 37.9002, 0.3145, 0.2714 by changing the saturation by 10% instead.





 37.9002, 0.3145,  
0.2714


 37.9002, 0.3145,  
0.2714


337.1917, 0.3141,  
0.2998

 25.9052, 0.3144,  
0.2644


 71.9551, 0.3145,  
0.2816

 16.7528, 0.3143,  
0.2556


 94.7839, 0.3144,  
0.2855

 10.0584, 0.3139,  
0.2439


121.9928, 0.3144,  
0.2888

 5.4377, 0.3130,  
0.2280

153.9660, 0.3143,  
0.2916

 2.5063, 0.3111,  
0.2050

191.0882, 0.3143,  
0.2941

 0.8798, 0.3062,  
0.1692

233.7436, 0.3142,

 0.0000, 0.2880,

0.2962

0.0000

282.3166, 0.3142,  
0.2981

0.0000, 0.0000,  
0.0000

37.9002, 0.3145,  
0.2714

37.9002, 0.3145,  
0.2714

32.0275, 0.3152,  
0.2468

44.8359, 0.3138,  
0.2964

27.1602, 0.3157,  
0.2234

52.8786, 0.3130,  
0.3209

23.2428, 0.3161,  
0.2021

62.0758, 0.3122,  
0.3445

20.2125, 0.3164,  
0.1840

72.4708, 0.3114,  
0.3668

17.9989, 0.3164,  
0.1696

84.1048, 0.3106,  
0.3875

■ 16.5210, 0.3163,  
0.1595

■ 87.6272, 0.3106,  
0.3930

■ 15.6811, 0.3160,  
0.1536

■ 87.6834, 0.3109,  
0.3929

■ 15.3554, 0.3157,  
0.1513

■ 87.7396, 0.3111,  
0.3929

■ 87.7961, 0.3114,  
0.3928

# Harmonies

## Analogous

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



37.9002, 0.2717, 0.2576



37.9002, 0.3145, 0.2714



37.9002, 0.3598, 0.2981

# Triad

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



37.9002, 0.3145, 0.2714



37.9002, 0.3863, 0.3979



37.9002, 0.2381, 0.3170

# Complementary

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



37.9002, 0.3145, 0.2714



48.8398, 0.3104, 0.3939

# 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.



37.9002, 0.2651, 0.3617



37.9002, 0.3145, 0.2714



37.9002, 0.3504, 0.4106

# Square

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



37.9002, 0.3145, 0.2714



37.9002, 0.4027, 0.3685



37.9002, 0.3059, 0.3979



37.9002, 0.2301, 0.2803



# Rectangle

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



37.9002, 0.3145, 0.2714



37.9002, 0.3842, 0.3206



37.9002, 0.3059, 0.3979



37.9002, 0.2452, 0.3317

# Sweetspot

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



37.9019, 0.3145, 0.2714



89.0647, 0.3133, 0.3118



33.2346, 0.2736, 0.2662



18.8721, 0.3133, 0.3103



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.



37.9019, 0.3145, 0.2714



62.3135, 0.3148, 0.2588



37.1156, 0.3356, 0.2974



10.8049, 0.3135, 0.3062



10.1039, 0.3158, 0.1513



0.4821, 0.3169, 0.1519



# Inverse Universe

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



36.2647, 0.3594, 0.3279



58.8816, 0.3731, 0.3276



49.5100, 0.2948, 0.3629



10.6405, 0.3286, 0.3286



7.8151, 0.6375, 0.3286

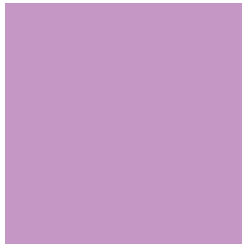


0.3713, 0.6285, 0.3236



# Previews

## White Background



This preview shows how the Yxy color 37.9002, 0.3145, 0.2714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

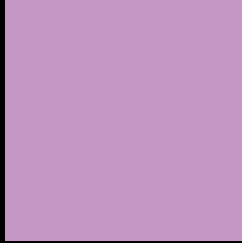
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.9002, 0.3145, 0.2714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

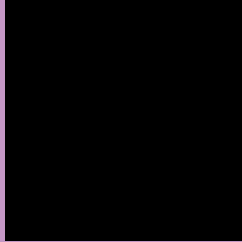
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.9002, 0.3145, 0.2714**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9002, 0.3145, 0.2714.



This preview shows how white text looks on a background with the Yxy color 37.9002, 0.3145, 0.2714.

# 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

37.9002, 0.3145, 0.2714

### Protanopia

38.0751, 0.2725, 0.2721

### Deuteranopia

38.1056, 0.2905, 0.2845



## Tritanopia

37.8106, 0.3371, 0.3132

# Trichromacy



## Original Color

37.9002, 0.3145, 0.2714

## Protanomaly

37.7660, 0.2867, 0.2709

## Deuteranomaly

37.9042, 0.2985, 0.2790

## Tritanomaly

37.7033, 0.3279, 0.2966

# Monochromacy



## Original Color

37.9002, 0.3145, 0.2714

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.0734, 0.3129, 0.3062

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9002, 0.3145, 0.2714 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(196, 151, 197)` looks like.

```
.text, #text, p{  
    color:rgb(196, 151, 197)  
}
```

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(196, 151, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 151, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9002, 0.3145, 0.2714 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(196, 151, 197) }
```

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

```
.border{ border-color:rgb(196, 151, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 151, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 151, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 151, 197);  
box-shadow:4px 4px 4px 4px rgb(196, 151,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9002, 0.3145, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 151, 197) }
```

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

```
.background{ background-color: rgb(196,  
151, 197) }
```

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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