

# Converting Colors

$Y_{xy}(37.1082, 0.2903, 0.2312)$

Have a look what the booklet for  
Yxy(37.1082, 0.2903, 0.2312)  
contains.

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# Color

**Yxy(37.0062, 0.2907, 0.2310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C58FE2
RGB	197, 143, 226
RGB Percent	77%, 56%, 89%
CMY	0.2275, 0.4392, 0.1138
CMYK	0.13, 0.37, 0.00, 0.11
HSL	279°, 59%, 72%
HSV	279°, 37%, 89%
XYZ	46.5701, 37.0062, 76.6237
YIQ	168.6080, 5.5410, 37.2610

# Conversions

## Conversions Part 2

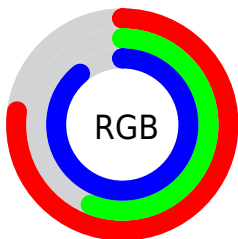
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 143, 226
Decimal	12947426
CIELab	67.28, 35.21, -34.31
CIElCh	67, 49.156, 315.742
Yxy	37.0062, 0.2907, 0.2310
Android (android.graphics.Color)	4291137506 (0xFFC58FE2)
YUV	168.6080, 28.2943, 24.8998
Hunter-Lab	60.8327, 30.1924, -32.0976

# Details

The Yxy color **37.0062, 0.2907, 0.2310** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.1361, 0.3272, 0.4334**, and the grayscale version is **39.3291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **16.3074, 0.2831, 0.2076** is the 20% darker color. If you saturate the color by 10%, you get **29.8535, 0.2826, 0.2033**, and if you desaturate by 10%, it is **45.5843, 0.2979, 0.2590**.

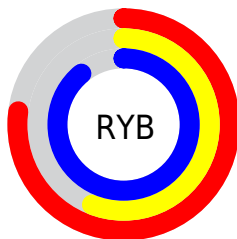
# Distribution



Red (77%)

Green (56%)

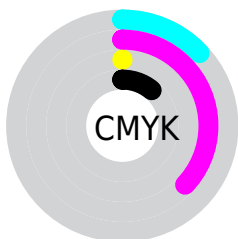
Blue (89%)



Red (77%)

Yellow (56%)

Blue (89%)

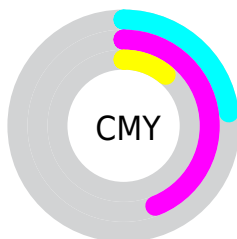


Cyan (13%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (23%)

Magenta (44%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0062, 0.2907, 0.2310 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 37.0062, 0.2907, 0.2310 by changing the saturation by 10% instead.





 37.0062, 0.2907,  
0.2310


 37.0062, 0.2907,  
0.2310


333.3374, 0.3031,  
0.2778

 25.2123, 0.2872,  
0.2201


 70.5823, 0.2955,  
0.2474

 16.2353, 0.2826,  
0.2066


 93.1333, 0.2972,  
0.2538

 9.6908, 0.2762,  
0.1894


120.0388, 0.2987,  
0.2592

 5.1944, 0.2668,  
0.1671

151.6832, 0.2998,  
0.2639

 2.3618, 0.2523,  
0.1374

188.4508, 0.3009,  
0.2680

 0.8061, 0.2278,  
0.0969

230.7261, 0.3017,

 0.0000, 0.1837,

0.2717

0.0000

278.8935, 0.3025,  
0.2749

0.0000, 0.0000,  
0.0000

37.0062, 0.2907,  
0.2310

37.0062, 0.2907,  
0.2310

29.8535, 0.2826,  
0.2033

45.5843, 0.2979,  
0.2590

24.0383, 0.2737,  
0.1770

55.6598, 0.3042,  
0.2864

19.4699, 0.2643,  
0.1534

67.3050, 0.3096,  
0.3125


16.0438, 0.2547,  
0.1336

80.5864, 0.3141,  
0.3368


13.6381, 0.2453,  
0.1187

94.9235, 0.3179,  
0.3582

 12.0974, 0.2364,  
0.1087

 96.3089, 0.3229,  
0.3578

 11.6934, 0.2336,  
0.1060

 97.7550, 0.3280,  
0.3573

 98.2698, 0.3298,  
0.3572

# Harmonies

## Analogous

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



37.0062, 0.2296, 0.2165



37.0062, 0.2907, 0.2310



37.0062, 0.3665, 0.2653

# Triad

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



37.0062, 0.2907, 0.2310



37.0062, 0.4421, 0.4211



37.0062, 0.2044, 0.3286

# Complementary

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



37.0062, 0.2907, 0.2310



65.1361, 0.3272, 0.4334

# 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.



37.0062, 0.2525, 0.4072



37.0062, 0.2907, 0.2310



37.0062, 0.3898, 0.4594

# Square

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



37.0062, 0.2907, 0.2310



37.0062, 0.4598, 0.3679



37.0062, 0.3203, 0.4593



37.0062, 0.1848, 0.2628



# Rectangle

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



37.0062, 0.2907, 0.2310



37.0062, 0.4131, 0.2963



37.0062, 0.3203, 0.4593



37.0062, 0.2174, 0.3550

# Sweetspot

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



37.0077, 0.2907, 0.2310



81.5788, 0.3074, 0.3013



40.8559, 0.2514, 0.2579



17.0142, 0.3066, 0.2977



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.



37.0077, 0.2907, 0.2310



41.3718, 0.2846, 0.2099



40.6461, 0.3283, 0.2505



13.6835, 0.3082, 0.3055



6.7410, 0.2349, 0.1068



0.5166, 0.2483, 0.1141



# Inverse Universe

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



38.7937, 0.3701, 0.2953



44.2228, 0.3878, 0.2884



62.6040, 0.3004, 0.4229



13.7792, 0.3237, 0.3208



9.5665, 0.5570, 0.2842

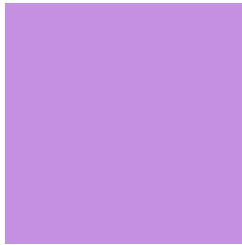


0.6796, 0.5140, 0.2605



# Previews

## White Background



This preview shows how the Yxy color 37.0062, 0.2907, 0.2310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

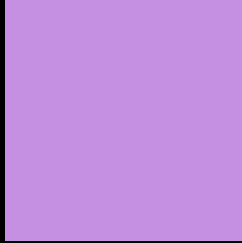
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.0062, 0.2907, 0.2310 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 37.0062, 0.2907, 0.2310**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0062, 0.2907, 0.2310.



This preview shows how white text looks on a background with the Yxy color 37.0062, 0.2907, 0.2310.

# 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

37.0062, 0.2907, 0.2310

### Protanopia

37.2439, 0.2374, 0.2261

### Deuteranopia

37.3176, 0.2547, 0.2492



## Tritanopia

36.9241, 0.3343, 0.3130

# Trichromacy



## Original Color

37.0062, 0.2907, 0.2310



## Protanomaly

36.5383, 0.2534, 0.2258



## Deuteranomaly

36.7697, 0.2667, 0.2417



## Tritanomaly

36.8404, 0.3179, 0.2813

# Monochromacy



## Original Color

37.0062, 0.2907, 0.2310



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

38.4430, 0.3044, 0.2893

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0062, 0.2907, 0.2310 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(197, 143, 226)` looks like.

```
.text, #text, p{  
    color:rgb(197, 143, 226)  
}
```

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(197, 143, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 143, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0062, 0.2907, 0.2310 is called "border". The border property can be set on classes, ids or directly on the HTML element.

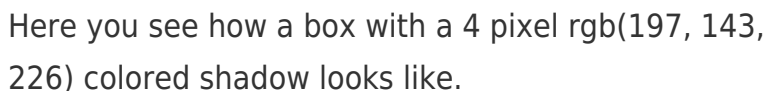
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 143, 226) }
```

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

```
.border{ border-color:rgb(197, 143, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 143, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 143, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 143, 226);  
box-shadow:4px 4px 4px 4px rgb(197, 143,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0062, 0.2907, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 143, 226) }
```

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

```
.background{ background-color: rgb(197,  
143, 226) }
```

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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