

# Converting Colors

$Yxy(37.0720, 0.2882, 0.2623)$

Have a look what the booklet for  
Yxy(37.0720, 0.2882, 0.2623)  
contains.

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# Color

**Yxy(37.1290, 0.2885, 0.2628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B09BCE
RGB	176, 155, 206
RGB Percent	69%, 61%, 81%
CMY	0.3099, 0.3921, 0.1923
CMYK	0.15, 0.25, 0.00, 0.19
HSL	265°, 34%, 71%
HSV	265°, 25%, 81%
XYZ	40.7600, 37.1290, 63.3934
YIQ	167.0930, -3.8550, 20.3130

# Conversions

## Conversions Part 2

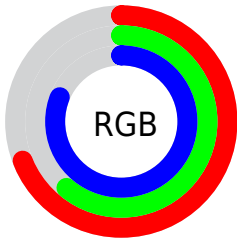
Format	Color
<a href="#">RYB</a>	<a href="#">176, 155, 206</a>
Decimal	<a href="#">11574222</a>
CIELab	<a href="#">67.37, 17.68, -23.26</a>
CIELCh	<a href="#">67, 29.215, 307.249</a>
Yxy	<a href="#">37.1290, 0.2885, 0.2628</a>
Android (android.graphics.Color)	<a href="#">4289764302</a> ( <a href="#">0xFFB09BCE</a> )
YUV	<a href="#">167.0930, 19.1812, 7.8114</a>
Hunter-Lab	<a href="#">60.9336, 12.7693, -19.0300</a>

# Details

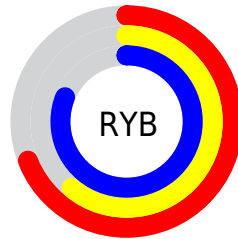
The Yxy color **37.1290, 0.2885, 0.2628** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.8124, 0.3327, 0.3938**, and the grayscale version is **38.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4690, 0.2985, 0.2829**, and **16.3786, 0.2802, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **29.4982, 0.2762, 0.2328**, and if you desaturate by 10%, it is **46.0585, 0.2994, 0.2912**.

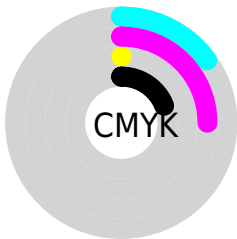
# Distribution



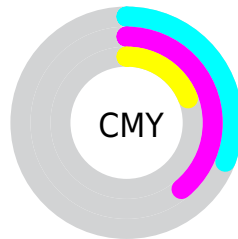
- Red (69%)
- Green (61%)
- Blue (81%)



- Red (69%)
- Yellow (61%)
- Blue (81%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)




- Cyan (31%)
- Magenta (39%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1290, 0.2885, 0.2628 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 37.1290, 0.2885, 0.2628 by changing the saturation by 10% instead.




 37.1290, 0.2885,  
0.2628


 37.1290, 0.2885,  
0.2628


333.8687, 0.3014,  
0.2956

 25.3074, 0.2851,  
0.2547

 70.7711, 0.2934,  
0.2746

 16.3062, 0.2805,  
0.2445


 93.3605, 0.2951,  
0.2791

 9.7411, 0.2743,  
0.2311


120.3078, 0.2966,  
0.2829

 5.2276, 0.2652,  
0.2128

151.9976, 0.2979,  
0.2862

 2.3814, 0.2511,  
0.1866

188.8141, 0.2989,  
0.2890

 0.8163, 0.2266,  
0.1465

231.1419, 0.2999,

 0.0000, 0.1030,

0.2915

0.0000

279.3653, 0.3007,  
0.2937

0.0000, 0.0000,  
0.0000

37.1290, 0.2885,  
0.2628

37.1290, 0.2885,  
0.2628

29.4982, 0.2762,  
0.2328

46.0585, 0.2994,  
0.2912

23.0988, 0.2626,  
0.2019

56.3404, 0.3087,  
0.3174

17.8644, 0.2479,  
0.1715

68.0308, 0.3168,  
0.3412

13.7204, 0.2328,  
0.1431

81.1813, 0.3236,  
0.3627

10.5829, 0.2178,  
0.1183

93.9103, 0.3297,  
0.3790

■ 8.3552, 0.2038,  
0.0987

■ 96.0636, 0.3376,  
0.3777

■ 6.9204, 0.1914,  
0.0850

■ 97.2349, 0.3418,  
0.3771

■ 6.3739, 0.1856,  
0.0796

# Harmonies

## Analogous

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



37.1290, 0.2533, 0.2585



37.1290, 0.2885, 0.2628



37.1290, 0.3329, 0.2819

# Triad

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



37.1290, 0.2885, 0.2628



37.1290, 0.3970, 0.3806



37.1290, 0.2535, 0.3433

# Complementary

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



37.1290, 0.2885, 0.2628



56.8124, 0.3327, 0.3938

# 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.



37.1290, 0.2889, 0.3840



37.1290, 0.2885, 0.2628



37.1290, 0.3722, 0.4039

# Square

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



37.1290, 0.2885, 0.2628



37.1290, 0.3981, 0.3470



37.1290, 0.3323, 0.4068



37.1290, 0.2342, 0.3012



# Rectangle

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



37.1290, 0.2885, 0.2628



37.1290, 0.3616, 0.3010



37.1290, 0.3323, 0.4068



37.1290, 0.2638, 0.3578

# Sweetspot

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



37.1305, 0.2885, 0.2628



87.1968, 0.3067, 0.3115



46.3705, 0.2743, 0.3019



18.4389, 0.3061, 0.3099



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.



37.1305, 0.2885, 0.2628



52.9576, 0.2817, 0.2460



40.3034, 0.3109, 0.2671



11.0656, 0.3046, 0.3055



3.9797, 0.1871, 0.0804



0.2494, 0.2097, 0.0929



# Inverse Universe

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



40.0691, 0.3347, 0.2920



58.6564, 0.3412, 0.2832



53.9820, 0.3133, 0.3979



11.3226, 0.3200, 0.3154



8.9536, 0.4574, 0.2293



0.4768, 0.4237, 0.2108



# Previews

## White Background



This preview shows how the Yxy color 37.1290, 0.2885, 0.2628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

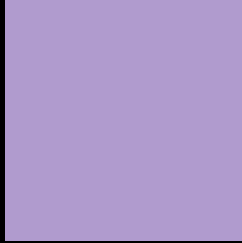
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.1290, 0.2885, 0.2628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

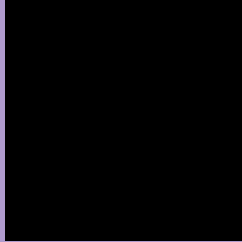
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.1290, 0.2885, 0.2628**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.1290, 0.2885, 0.2628.



This preview shows how white text looks on a background with the Yxy color 37.1290, 0.2885, 0.2628.

# 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

37.1290, 0.2885, 0.2628

### Protanopia

37.1231, 0.2648, 0.2626

### Deuteranopia

37.2684, 0.2753, 0.2695



## Tritanopia

37.2037, 0.3107, 0.3109

# Trichromacy



## Original Color

37.1290, 0.2885, 0.2628

## Protanomaly

36.8733, 0.2730, 0.2621

## Deuteranomaly

37.2034, 0.2801, 0.2676

## Tritanomaly

37.2257, 0.3023, 0.2924

# Monochromacy



## Original Color

37.1290, 0.2885, 0.2628

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

38.0766, 0.3037, 0.3042

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1290, 0.2885, 0.2628 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(176, 155, 206)` looks like.

```
.text, #text, p{  
    color:rgb(176, 155, 206)  
}
```

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(176, 155, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 155, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1290, 0.2885, 0.2628 is called "border". The border property can be set on classes, ids or directly on the HTML element.

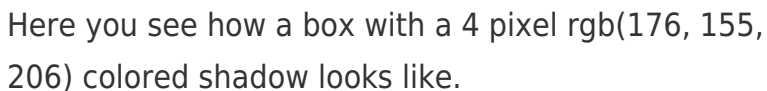
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 155, 206) }
```

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

```
.border{ border-color:rgb(176, 155, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 155, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 155, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 155, 206); box-shadow:4px 4px 4px 4px rgb(176, 155, 206) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1290, 0.2885, 0.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 155, 206) }
```

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

```
.background{ background-color: rgb(176,  
155, 206) }
```

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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