

# Converting Colors

Yxy(36.8633, 0.2856, 0.2484)

Have a look what the booklet for  
Yxy(36.8633, 0.2856, 0.2484)  
contains.

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# Color

**Yxy(36.8633, 0.2856, 0.2484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B597D7
RGB	181, 151, 215
RGB Percent	71%, 59%, 84%
CMY	0.2902, 0.4078, 0.1570
CMYK	0.16, 0.30, 0.00, 0.16
HSL	268°, 44%, 72%
HSV	268°, 30%, 84%
XYZ	42.3839, 36.8633, 69.1558
YIQ	167.2660, -2.6640, 26.2640

# Conversions

## Conversions Part 2

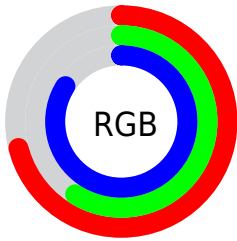
Format	Color
<a href="#">RYB</a>	<a href="#">181, 151, 215</a>
Decimal	<a href="#">11900887</a>
CIELab	<a href="#">67.17, 23.48, -28.51</a>
CIELCh	<a href="#">67, 36.940, 309.476</a>
Yxy	<a href="#">36.8633, 0.2856, 0.2484</a>
Android (android.graphics.Color)	<a href="#">4290090967 (0xFFB597D7)</a>
YUV	<a href="#">167.2660, 23.5329, 12.0447</a>
Hunter-Lab	<a href="#">60.7152, 18.3553, -25.0319</a>

# Details

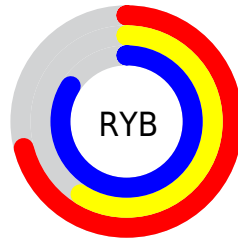
The Yxy color **36.8633, 0.2856, 0.2484** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.1386, 0.3337, 0.4090**, and the grayscale version is **38.6643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8872, 0.3021, 0.2782**, and **16.1644, 0.2762, 0.2272** is the 20% darker color. If you saturate the color by 10%, you get **29.2394, 0.2738, 0.2184**, and if you desaturate by 10%, it is **45.8651, 0.2960, 0.2774**.

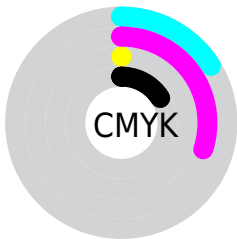
# Distribution



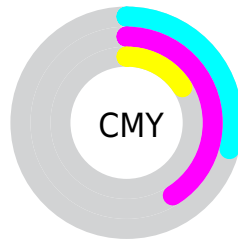
- Red (71%)
- Green (59%)
- Blue (84%)



- Red (71%)
- Yellow (59%)
- Blue (84%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)
- Black (16%)




- Cyan (29%)
- Magenta (41%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8633, 0.2856, 0.2484 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 36.8633, 0.2856, 0.2484 by changing the saturation by 10% instead.





 36.8633, 0.2856,  
0.2484


 36.8633, 0.2856,  
0.2484


332.7183, 0.3002,  
0.2878

 25.1017, 0.2817,  
0.2389


 70.3625, 0.2911,  
0.2625

 16.1528, 0.2765,  
0.2270


 92.8688, 0.2931,  
0.2678

 9.6324, 0.2694,  
0.2115


119.7255, 0.2948,  
0.2724

 5.1559, 0.2592,  
0.1909

151.3170, 0.2962,  
0.2763

 2.3390, 0.2433,  
0.1622

188.0276, 0.2974,  
0.2798

 0.7942, 0.2167,  
0.1205


230.2418, 0.2985,


 0.0000, 0.1311,


0.2828


0.0000


278.3439, 0.2994,  
0.2854


 0.0000, 0.0000,  
0.0000

 36.8633, 0.2856,  
0.2484


 36.8633, 0.2856,  
0.2484


 29.2394, 0.2738,  
0.2184


 45.8651, 0.2960,  
0.2774


 22.9175, 0.2609,  
0.1883


 56.3063, 0.3051,  
0.3045


 17.8212, 0.2472,  
0.1596

 68.2501, 0.3129,  
0.3296

 13.8639, 0.2332,  
0.1336

 81.7545, 0.3195,  
0.3523

 10.9470, 0.2196,  
0.1121

 94.6202, 0.3254,  
0.3695

■ 8.9545, 0.2069,  
0.0960

■ 96.6618, 0.3328,  
0.3686

■ 7.6851, 0.1957,  
0.0852

■ 97.6851, 0.3364,  
0.3681

■ 7.6574, 0.1954,  
0.0850

# Harmonies

## Analogous

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



36.8633, 0.2410, 0.2411



36.8633, 0.2856, 0.2484



36.8633, 0.3420, 0.2729

# Triad

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



36.8633, 0.2856, 0.2484



36.8633, 0.4174, 0.3948



36.8633, 0.2358, 0.3422

# Complementary

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



36.8633, 0.2856, 0.2484



61.1386, 0.3337, 0.4090

# 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.



36.8633, 0.2781, 0.3967



36.8633, 0.2856, 0.2484



36.8633, 0.3834, 0.4247

# Square

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



36.8633, 0.2856, 0.2484



36.8633, 0.4222, 0.3530



36.8633, 0.3321, 0.4282



36.8633, 0.2144, 0.2892



# Rectangle

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



36.8633, 0.2856, 0.2484



36.8633, 0.3783, 0.2966



36.8633, 0.3321, 0.4282



36.8633, 0.2479, 0.3614

# Sweetspot

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



36.8648, 0.2856, 0.2484



83.9815, 0.3057, 0.3063



46.2368, 0.2657, 0.2897



17.4584, 0.3044, 0.3024



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.



36.8648, 0.2856, 0.2484



46.6391, 0.2780, 0.2287



41.1653, 0.3142, 0.2550



12.2911, 0.3054, 0.3054



4.6430, 0.1969, 0.0859



0.3291, 0.2162, 0.0965



# Inverse Universe

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



40.0836, 0.3441, 0.2883



52.2778, 0.3535, 0.2790



57.6106, 0.3101, 0.4151



12.5300, 0.3209, 0.3167



9.3926, 0.4815, 0.2426

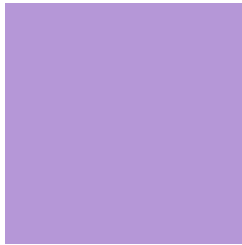


0.5832, 0.4463, 0.2232



# Previews

## White Background



This preview shows how the Yxy color 36.8633, 0.2856, 0.2484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

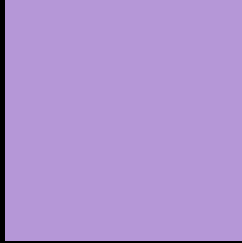
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.8633, 0.2856, 0.2484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

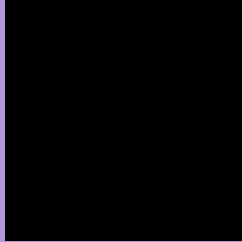
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.8633, 0.2856, 0.2484**

## Background



This preview shows how black text looks on a background with the Yxy color 36.8633, 0.2856, 0.2484.



This preview shows how white text looks on a background with the Yxy color 36.8633, 0.2856, 0.2484.

# 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

36.8633, 0.2856, 0.2484

### Protanopia

36.9284, 0.2531, 0.2465

### Deuteranopia

37.0661, 0.2649, 0.2591



## Tritanopia

36.7735, 0.3155, 0.3110

# Trichromacy



## Original Color

36.8633, 0.2856, 0.2484

## Protanomaly

36.6522, 0.2642, 0.2466

## Deuteranomaly

36.7555, 0.2716, 0.2540

## Tritanomaly

36.7549, 0.3043, 0.2861

# Monochromacy



## Original Color

36.8633, 0.2856, 0.2484

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.7211, 0.3031, 0.2976

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.8633, 0.2856, 0.2484 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(181, 151, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 151, 215)  
}
```

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(181, 151, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 151, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 36.8633, 0.2856, 0.2484 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(181, 151, 215) }
```

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

```
.border{ border-color:rgb(181, 151, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 151, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 151, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 151, 215);  
box-shadow:4px 4px 4px 4px rgb(181, 151,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.8633, 0.2856, 0.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 151, 215) }
```

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

```
.background{ background-color: rgb(181,  
151, 215) }
```

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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