

# Converting Colors

$Yxy(37.0944, 0.3498, 0.2814)$

Have a look what the booklet for  
Yxy(37.0944, 0.3498, 0.2814)  
contains.

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# Color

**Yxy(37.1293, 0.3498, 0.2821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D78EB5
RGB	215, 142, 181
RGB Percent	84%, 56%, 71%
CMY	0.1568, 0.4431, 0.2902
CMYK	0.00, 0.34, 0.16, 0.16
HSL	328°, 48%, 70%
HSV	328°, 34%, 84%
XYZ	46.0398, 37.1293, 48.4484
YIQ	168.2730, 30.9890, 27.6050

# Conversions

## Conversions Part 2

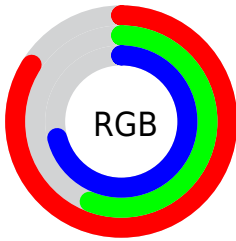
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 142, 181
Decimal	14126773
CIE Lab	67.37, 33.31, -8.94
CIE LCh	67, 34.485, 344.976
Yxy	37.1293, 0.3498, 0.2821
Android (android.graphics.Color)	4292316853 (0xFFD78EB5)
YUV	168.2730, 6.2744, 40.9796
Hunter-Lab	60.9338, 28.2352, -4.4877

# Details

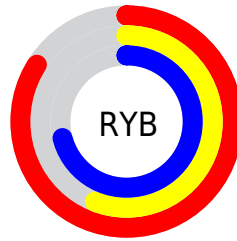
The Yxy color **37.1293, 0.3498, 0.2821** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.4951, 0.2873, 0.3815**, and the grayscale version is **39.2570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3069, 0.3285, 0.2890**, and **16.2418, 0.3612, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **30.9415, 0.3654, 0.2682**, and if you desaturate by 10%, it is **44.5841, 0.3365, 0.2964**.

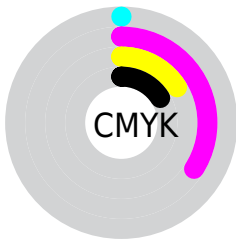
# Distribution



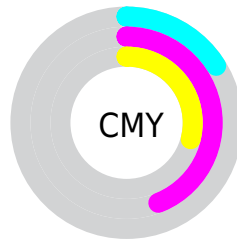
- Red (84%)
- Green (56%)
- Blue (71%)



- Red (84%)
- Yellow (56%)
- Blue (71%)



- Cyan (0%)
- Magenta (34%)
- Yellow (16%)
- Black (16%)




- Cyan (16%)
- Magenta (44%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1293, 0.3498, 0.2821 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 37.1293, 0.3498, 0.2821 by changing the saturation by 10% instead.





 37.1293, 0.3498,  
0.2821


 37.1293, 0.3498,  
0.2821


333.8700, 0.3310,  
0.3056

 25.3076, 0.3546,  
0.2763


 70.7716, 0.3429,  
0.2906

 16.3064, 0.3607,  
0.2688


 93.3610, 0.3403,  
0.2938

 9.7412, 0.3690,  
0.2588


120.3085, 0.3382,  
0.2965

 5.2277, 0.3808,  
0.2450

151.9983, 0.3363,  
0.2988

 2.3815, 0.3985,  
0.2245

188.8150, 0.3347,  
0.3009

 0.8163, 0.4287,  
0.1910

231.1429, 0.3333,

 0.0000, 0.6351,

0.3026

0.0000

279.3665, 0.3321,  
0.3042

0.0000, 0.0000,  
0.0000

37.1293, 0.3498,  
0.2821

37.1293, 0.3498,  
0.2821

30.9415, 0.3654,  
0.2682

44.5841, 0.3365,  
0.2964

25.9437, 0.3834,  
0.2556

53.3669, 0.3253,  
0.3104

22.0586, 0.4035,  
0.2452


63.5409, 0.3160,  
0.3239


19.1973, 0.4254,  
0.2385

75.1637, 0.3082,  
0.3366

17.2573, 0.4480,  
0.2364


88.2896, 0.3018,  
0.3483

 16.1141, 0.4703,  
0.2397

 92.3269, 0.2963,  
0.3433

 15.6827, 0.4835,  
0.2437

 92.9427, 0.2909,  
0.3329

 93.1894, 0.2889,  
0.3289

# Harmonies

## Analogous

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



37.1293, 0.2968, 0.2564



37.1293, 0.3498, 0.2821



37.1293, 0.3951, 0.3186

# Triad

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



37.1293, 0.3498, 0.2821



37.1293, 0.3711, 0.4210



37.1293, 0.2192, 0.2848

# Complementary

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



37.1293, 0.3498, 0.2821



57.4951, 0.2873, 0.3815

# 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.



37.1293, 0.2355, 0.3318



37.1293, 0.3498, 0.2821



37.1293, 0.3217, 0.4179

# Square

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



37.1293, 0.3498, 0.2821



37.1293, 0.4065, 0.3973



37.1293, 0.2722, 0.3834



37.1293, 0.2251, 0.2554



# Rectangle

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



37.1293, 0.3498, 0.2821



37.1293, 0.4125, 0.3459



37.1293, 0.2722, 0.3834



37.1293, 0.2222, 0.2989

# Sweetspot

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



37.1310, 0.3498, 0.2821



84.0538, 0.3215, 0.3157



33.3505, 0.2796, 0.2355



17.5481, 0.3229, 0.3138



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.



37.1310, 0.3498, 0.2821



47.6862, 0.3612, 0.2717



35.8598, 0.3881, 0.3247



12.5306, 0.3208, 0.3166



9.4003, 0.4804, 0.2420



0.5836, 0.4454, 0.2227



# Inverse Universe

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



37.1310, 0.3498, 0.2821



47.6862, 0.3612, 0.2717



59.0808, 0.2668, 0.3336



12.5306, 0.3208, 0.3166



9.4003, 0.4804, 0.2420

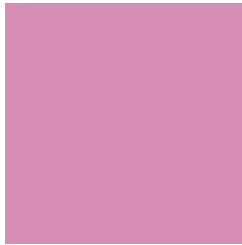


0.5836, 0.4454, 0.2227



# Previews

## White Background



This preview shows how the Yxy color 37.1293, 0.3498, 0.2821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

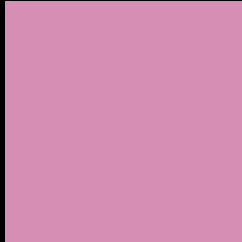
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.1293, 0.3498, 0.2821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

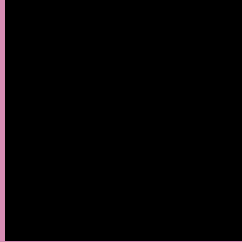
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.1293, 0.3498, 0.2821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.1293, 0.3498, 0.2821.



This preview shows how white text looks on a background with the Yxy color 37.1293, 0.3498, 0.2821.

# 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

37.1293, 0.3498, 0.2821

### Protanopia

37.4036, 0.2821, 0.2848

### Deuteranopia

37.3546, 0.3101, 0.3043



## Tritanopia

36.9891, 0.3711, 0.3155

# Trichromacy



## Original Color

37.1293, 0.3498, 0.2821

## Protanomaly

36.7441, 0.3045, 0.2825

## Deuteranomaly

36.8560, 0.3241, 0.2949

## Tritanomaly

37.1501, 0.3628, 0.3033

# Monochromacy



## Original Color

37.1293, 0.3498, 0.2821

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

38.1277, 0.3251, 0.3103

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1293, 0.3498, 0.2821 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(215, 142, 181)` looks like.

```
.text, #text, p{  
    color:rgb(215, 142, 181)  
}
```

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(215, 142, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 142, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1293, 0.3498, 0.2821 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(215, 142, 181) }
```

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

```
.border{ border-color:rgb(215, 142, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 142, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 142, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 142, 181);  
box-shadow:4px 4px 4px 4px rgb(215, 142,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1293, 0.3498, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 142, 181) }
```

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

```
.background{ background-color: rgb(215,  
142, 181) }
```

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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