

# Converting Colors

$Y_{xy}(35.0749, 0.3608, 0.2853)$

Have a look what the booklet for  
Yxy(35.0749, 0.3608, 0.2853)  
contains.

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# Color

**Yxy(35.0339, 0.3606, 0.2854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D788AC
RGB	215, 136, 172
RGB Percent	84%, 53%, 67%
CMY	0.1570, 0.4666, 0.3255
CMYK	0.00, 0.37, 0.20, 0.16
HSL	333°, 50%, 69%
HSV	333°, 37%, 84%
XYZ	44.2650, 35.0339, 43.4548
YIQ	163.7250, 35.5280, 27.9440

# Conversions

## Conversions Part 2

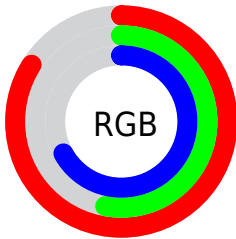
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 136, 172
Decimal	14125228
CIE Lab	65.78, 35.09, -6.26
CIE LCh	66, 35.640, 349.886
Yxy	35.0339, 0.3606, 0.2854
Android (android.graphics.Color)	4292315308 (0xFFD788AC)
YUV	163.7250, 4.0796, 44.9682
Hunter-Lab	59.1894, 29.9102, -2.0960

# Details

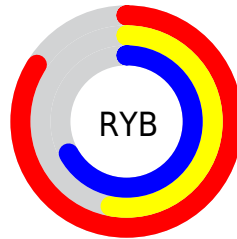
The Yxy color **35.0339, 0.3606, 0.2854** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.0707, 0.2819, 0.3778**, and the grayscale version is **36.9558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6330, 0.3369, 0.2916**, and **15.0676, 0.3758, 0.2715** is the 20% darker color. If you saturate the color by 10%, you get **29.1443, 0.3799, 0.2737**, and if you desaturate by 10%, it is **42.1806, 0.3442, 0.2977**.

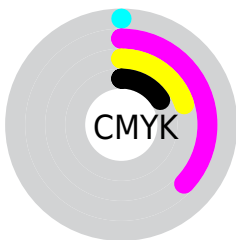
# Distribution



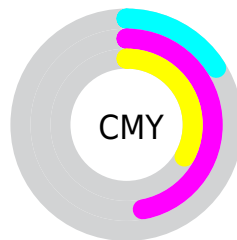
- Red (84%)
- Green (53%)
- Blue (67%)



- Red (84%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (20%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0339, 0.3606, 0.2854 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 35.0339, 0.3606, 0.2854 by changing the saturation by 10% instead.





 35.0339, 0.3606,  
0.2854


 35.0339, 0.3606,  
0.2854


324.7179, 0.3359,  
0.3076


 23.6890, 0.3670,  
0.2798


 67.5383, 0.3514,  
0.2935

 15.1031, 0.3754,  
0.2725


 89.4665, 0.3480,  
0.2966

 8.8918, 0.3869,  
0.2627


 115.6914, 0.3452,  
0.2991

 4.6706, 0.4034,  
0.2488

146.5972, 0.3428,  
0.3013

 2.0553, 0.4291,  
0.2278

182.5683, 0.3407,  
0.3032

 0.6393, 0.4776,  
0.1873

223.9893, 0.3389,

 0.0000, 1.0000,

0.3048

0.0000

271.2443, 0.3373,  
0.3063

0.0000, 0.0000,  
0.0000

35.0339, 0.3606,  
0.2854

35.0339, 0.3606,  
0.2854

29.1443, 0.3799,  
0.2737

42.1806, 0.3442,  
0.2977

24.4329, 0.4023,  
0.2634

50.6473, 0.3305,  
0.3098

20.8194, 0.4274,  
0.2557


60.4987, 0.3192,  
0.3215


18.2113, 0.4544,  
0.2518


71.7937, 0.3098,  
0.3325


16.5008, 0.4820,  
0.2529

84.5878, 0.3022,  
0.3428

 15.5489, 0.5085,  
0.2594

 92.3836, 0.2957,  
0.3422

 15.3215, 0.5170,  
0.2622

 93.1102, 0.2894,  
0.3301

 93.1807, 0.2888,  
0.3289

# Harmonies

## Analogous

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



35.0339, 0.3047, 0.2564



35.0339, 0.3606, 0.2854



35.0339, 0.4053, 0.3247

# Triad

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



35.0339, 0.3606, 0.2854



35.0339, 0.3660, 0.4277



35.0339, 0.2141, 0.2757

# Complementary

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



35.0339, 0.3606, 0.2854



57.0707, 0.2819, 0.3778

# 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.



35.0339, 0.2273, 0.3227



35.0339, 0.3606, 0.2854



35.0339, 0.3130, 0.4192

# Square

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



35.0339, 0.3606, 0.2854



35.0339, 0.4067, 0.4059



35.0339, 0.2625, 0.3782



35.0339, 0.2240, 0.2487



# Rectangle

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



35.0339, 0.3606, 0.2854



35.0339, 0.4203, 0.3534



35.0339, 0.2625, 0.3782



35.0339, 0.2159, 0.2895

# Sweetspot

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



35.0355, 0.3606, 0.2854



82.4461, 0.3239, 0.3165



32.0004, 0.2822, 0.2289



17.2224, 0.3255, 0.3149



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.



35.0355, 0.3606, 0.2854



44.7365, 0.3752, 0.2763



34.5861, 0.4004, 0.3325



12.5140, 0.3220, 0.3184



9.1890, 0.5134, 0.2602



0.5708, 0.4717, 0.2372



# Inverse Universe

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



35.0355, 0.3606, 0.2854



44.7365, 0.3752, 0.2763



57.3915, 0.2611, 0.3254



12.5140, 0.3220, 0.3184



9.1890, 0.5134, 0.2602

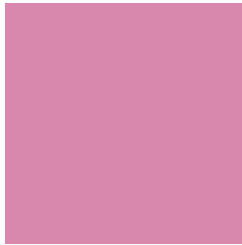


0.5708, 0.4717, 0.2372



# Previews

## White Background



This preview shows how the Yxy color 35.0339, 0.3606, 0.2854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

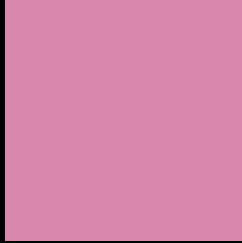
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.0339, 0.3606, 0.2854 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 35.0339, 0.3606, 0.2854**

## Background



This preview shows how black text looks on a background with the Yxy color 35.0339, 0.3606, 0.2854.



This preview shows how white text looks on a background with the Yxy color 35.0339, 0.3606, 0.2854.

# 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

35.0339, 0.3606, 0.2854

### Protanopia

35.3100, 0.2862, 0.2906

### Deuteranopia

35.0779, 0.3166, 0.3094



## Tritanopia

35.1043, 0.3819, 0.3167

# Trichromacy



## Original Color

35.0339, 0.3606, 0.2854

## Protanomaly

34.8165, 0.3107, 0.2882

## Deuteranomaly

34.7735, 0.3324, 0.2996

## Tritanomaly

35.2300, 0.3743, 0.3057

# Monochromacy



## Original Color

35.0339, 0.3606, 0.2854

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

35.9685, 0.3294, 0.3114

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0339, 0.3606, 0.2854 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, 136, 172)` looks like.

```
.text, #text, p{  
    color:rgb(215, 136, 172)  
}
```

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, 136, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 136, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0339, 0.3606, 0.2854 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, 136, 172) }
```

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

```
.border{ border-color:rgb(215, 136, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 136, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 136, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 136, 172);  
box-shadow:4px 4px 4px 4px rgb(215, 136,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.0339, 0.3606, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 136, 172) }
```

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

```
.background{ background-color: rgb(215,  
136, 172) }
```

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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