

# Converting Colors

$Y_{xy}(35.3058, 0.3317, 0.2560)$

Have a look what the booklet for  
Yxy(35.3058, 0.3317, 0.2560)  
contains.

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# Color

**Yxy(35.3105, 0.3324, 0.2564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D487C4
RGB	212, 135, 196
RGB Percent	83%, 53%, 77%
CMY	0.1687, 0.4705, 0.2314
CMYK	0.00, 0.36, 0.08, 0.17
HSL	312°, 47%, 68%
HSV	312°, 36%, 83%
XYZ	45.7770, 35.3105, 56.6290
YIQ	164.9770, 26.3110, 35.2950

# Conversions

## Conversions Part 2

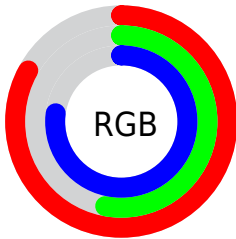
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 135, 196
Decimal	13928388
CIE Lab	65.99, 38.52, -19.48
CIE LCh	66, 43.168, 333.180
Yxy	35.3105, 0.3324, 0.2564
Android (android.graphics.Color)	4292118468 (0xFFD487C4)
YUV	164.9770, 15.2943, 41.2392
Hunter-Lab	59.4226, 33.5200, -14.9068

# Details

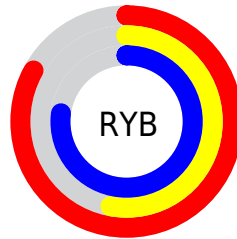
The Yxy color **35.3105, 0.3324, 0.2564** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.4678, 0.2979, 0.4148**, and the grayscale version is **37.5322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7470, 0.3172, 0.2661**, and **15.2074, 0.3374, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **29.7758, 0.3395, 0.2372**, and if you desaturate by 10%, it is **42.0320, 0.3260, 0.2766**.

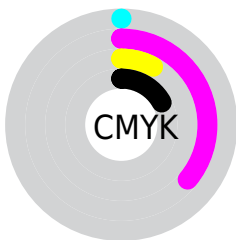
# Distribution



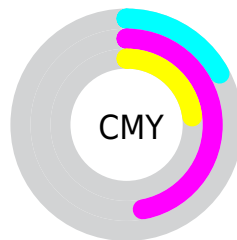
- Red (83%)
- Green (53%)
- Blue (77%)



- Red (83%)
- Yellow (53%)
- Blue (77%)



- Cyan (0%)
- Magenta (36%)
- Yellow (8%)
- Black (17%)




- Cyan (17%)
- Magenta (47%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3105, 0.3324, 0.2564 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 35.3105, 0.3324, 0.2564 by changing the saturation by 10% instead.





 35.3105, 0.3324,  
0.2564


 35.3105, 0.3324,  
0.2564


325.9367, 0.3231,  
0.2920

 23.9022, 0.3345,  
0.2478


 67.9665, 0.3292,  
0.2692

 15.2611, 0.3371,  
0.2368


 89.9830, 0.3279,  
0.2740

 9.0028, 0.3404,  
0.2225


 116.3042, 0.3268,  
0.2781

 4.7430, 0.3446,  
0.2032

147.3147, 0.3259,  
0.2817

 2.0973, 0.3499,  
0.1758

183.3988, 0.3251,  
0.2848

 0.6631, 0.3576,  
0.1316

224.9409, 0.3244,

 0.0000, 0.3712,

0.2875

0.0000

272.3254, 0.3237,  
0.2899

0.0000, 0.0000,  
0.0000

35.3105, 0.3324,  
0.2564

35.3105, 0.3324,  
0.2564

29.7758, 0.3395,  
0.2372

42.0320, 0.3260,  
0.2766

25.3528, 0.3471,  
0.2199

50.0000, 0.3204,  
0.2969

21.9652, 0.3552,  
0.2056


59.2759, 0.3155,  
0.3168


19.5253, 0.3635,  
0.1951


69.9157, 0.3112,  
0.3359


17.9307, 0.3716,  
0.1891


81.9721, 0.3076,  
0.3539


 17.0520, 0.3794,  
0.1878

 90.8119, 0.3047,  
0.3634

 16.8214, 0.3822,  
0.1879

 91.0516, 0.3023,  
0.3587

 91.2976, 0.2999,  
0.3539

 91.5499, 0.2975,  
0.3492

# Harmonies

## Analogous

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



35.3105, 0.2678, 0.2321



35.3105, 0.3324, 0.2564



35.3105, 0.3975, 0.2961

# Triad

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



35.3105, 0.3324, 0.2564



35.3105, 0.4054, 0.4354



35.3105, 0.2012, 0.2925

# Complementary

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



35.3105, 0.3324, 0.2564



54.4678, 0.2979, 0.4148

# 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.



35.3105, 0.2307, 0.3586



35.3105, 0.3324, 0.2564



35.3105, 0.3477, 0.4501

# Square

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



35.3105, 0.3324, 0.2564



35.3105, 0.4403, 0.3944



35.3105, 0.2836, 0.4219



35.3105, 0.1982, 0.2472



# Rectangle

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



35.3105, 0.3324, 0.2564



35.3105, 0.4289, 0.3279



35.3105, 0.2836, 0.4219



35.3105, 0.2081, 0.3129

# Sweetspot

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



35.3121, 0.3324, 0.2564



83.0213, 0.3177, 0.3074



28.6065, 0.2597, 0.2237



17.3597, 0.3184, 0.3046



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.



35.3121, 0.3324, 0.2564



46.6540, 0.3381, 0.2406



33.7986, 0.3733, 0.3004



12.5865, 0.3169, 0.3107



10.4008, 0.3812, 0.1874



0.6387, 0.3688, 0.1805



# Inverse Universe

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



35.3121, 0.3324, 0.2564



46.6540, 0.3381, 0.2406



55.9032, 0.2751, 0.3601



12.5865, 0.3169, 0.3107



10.4008, 0.3812, 0.1874

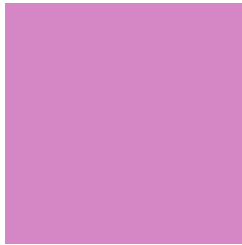


0.6387, 0.3688, 0.1805



# Previews

## White Background



This preview shows how the Yxy color 35.3105, 0.3324, 0.2564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

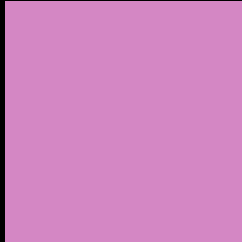
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.3105, 0.3324, 0.2564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

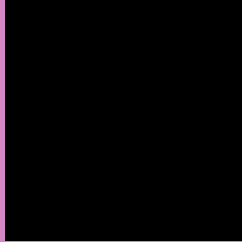
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.3105, 0.3324, 0.2564**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.3105, 0.3324, 0.2564.



This preview shows how white text looks on a background with the Yxy color 35.3105, 0.3324, 0.2564.

# 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

35.3105, 0.3324, 0.2564

### Protanopia

35.7114, 0.2592, 0.2553

### Deuteranopia

35.4968, 0.2865, 0.2804



## Tritanopia

35.2434, 0.3701, 0.3152

# Trichromacy



## Original Color

35.3105, 0.3324, 0.2564



## Protanomaly

34.8637, 0.2821, 0.2539



## Deuteranomaly

35.0484, 0.3029, 0.2709



## Tritanomaly

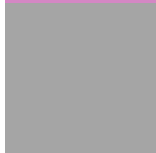
35.1760, 0.3567, 0.2929

# Monochromacy



## Original Color

35.3105, 0.3324, 0.2564



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

36.1909, 0.3200, 0.2994

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.3105, 0.3324, 0.2564 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(212, 135, 196)` looks like.

```
.text, #text, p{  
    color:rgb(212, 135, 196)  
}
```

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(212, 135, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 135, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 35.3105, 0.3324, 0.2564 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(212, 135, 196) }
```

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

```
.border{ border-color:rgb(212, 135, 196) }
```

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

Here you see how a box with a 4 pixel rgb(212, 135, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 135, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 135, 196);  
box-shadow:4px 4px 4px 4px rgb(212, 135,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.3105, 0.3324, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 135, 196) }
```

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

```
.background{ background-color: rgb(212,  
135, 196) }
```

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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