

# Converting Colors

$Y_{xy}(35.0732, 0.3124, 0.2245)$

Have a look what the booklet for  
Yxy(35.0732, 0.3124, 0.2245)  
contains.

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**Color**

**Yxy(35.1059, 0.3118, 0.2243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D780DD
RGB	215, 128, 221
RGB Percent	84%, 50%, 87%
CMY	0.1567, 0.4981, 0.1334
CMYK	0.03, 0.42, 0.00, 0.13
HSL	296°, 58%, 68%
HSV	296°, 42%, 87%
XYZ	48.8008, 35.1059, 72.6065
YIQ	164.6150, 21.9990, 47.3670

# Conversions

## Conversions Part 2

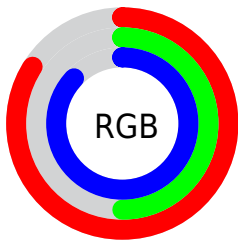
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 128, 221
Decimal	14123229
CIE Lab	65.83, 47.65, -33.64
CIE LCh	66, 58.333, 324.779
Yxy	35.1059, 0.3118, 0.2243
Android (android.graphics.Color)	4292313309 (0xFFD780DD)
YUV	164.6150, 27.7978, 44.1876
Hunter-Lab	59.2502, 43.3317, -31.1800

# Details

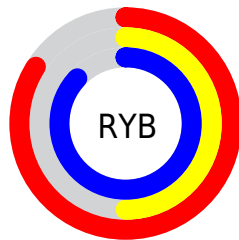
The Yxy color **35.1059, 0.3118, 0.2243** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.3326, 0.3104, 0.4575**, and the grayscale version is **37.2902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **15.0544, 0.3080, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **29.7437, 0.3110, 0.2019**, and if you desaturate by 10%, it is **41.7283, 0.3123, 0.2486**.

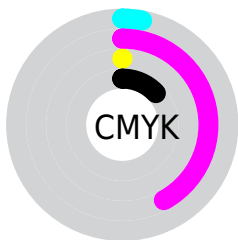
# Distribution



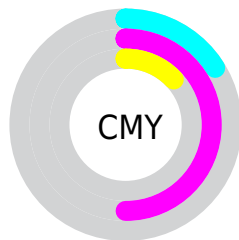
- Red (84%)
- Green (50%)
- Blue (87%)



- Red (84%)
- Yellow (50%)
- Blue (87%)



- Cyan (3%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)




- Cyan (16%)
- Magenta (50%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1059, 0.3118, 0.2243 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 35.1059, 0.3118, 0.2243 by changing the saturation by 10% instead.




 35.1059, 0.3118,  
0.2243


 35.1059, 0.3118,  
0.2243


325.0355, 0.3140,  
0.2740


 23.7445, 0.3108,  
0.2128


 67.6498, 0.3130,  
0.2417

 15.1442, 0.3092,  
0.1986


 89.6010, 0.3133,  
0.2484

 8.9206, 0.3066,  
0.1806


 115.8510, 0.3136,  
0.2542

 4.6894, 0.3023,  
0.1574

146.7841, 0.3137,  
0.2592

 2.0662, 0.2945,  
0.1267

182.7847, 0.3138,  
0.2636

 0.6455, 0.2798,  
0.0834

224.2372, 0.3139,


 0.0000, 0.2523,


0.2675

0.0000

271.5260, 0.3140,  
0.2709


 0.0000, 0.0000,  
0.0000


 35.1059, 0.3118,  
0.2243


 35.1059, 0.3118,  
0.2243


 29.7437, 0.3110,  
0.2019


 41.7283, 0.3123,  
0.2486


 25.5548, 0.3101,  
0.1825


 49.6813, 0.3126,  
0.2739


 22.4486, 0.3089,  
0.1668


 59.0354, 0.3128,  
0.2992


 20.3190, 0.3075,  
0.1554

 69.8549, 0.3127,  
0.3240


 19.0390, 0.3060,  
0.1484


 82.2002, 0.3126,  
0.3476

 18.4608, 0.3047,  
0.1452

 92.5129, 0.3126,  
0.3642

 92.7396, 0.3135,  
0.3641

 92.9681, 0.3144,  
0.3640

 93.1986, 0.3153,  
0.3640

# Harmonies

## Analogous

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



35.1059, 0.2327, 0.2002



35.1059, 0.3118, 0.2243



35.1059, 0.4039, 0.2690

# Triad

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



35.1059, 0.3118, 0.2243



35.1059, 0.4486, 0.4513



35.1059, 0.1746, 0.2992

# Complementary

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



35.1059, 0.3118, 0.2243



58.3326, 0.3104, 0.4575

# 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.



35.1059, 0.2194, 0.3961



35.1059, 0.3118, 0.2243



35.1059, 0.3772, 0.4922

# Square

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



35.1059, 0.3118, 0.2243



35.1059, 0.4869, 0.3898



35.1059, 0.2934, 0.4771



35.1059, 0.1632, 0.2320



# Rectangle

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



35.1059, 0.3118, 0.2243



35.1059, 0.4546, 0.3065



35.1059, 0.2934, 0.4771



35.1059, 0.1857, 0.3295

# Sweetspot

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



35.1074, 0.3118, 0.2243



80.2421, 0.3128, 0.2967



26.9108, 0.2357, 0.2080



16.5319, 0.3127, 0.2911



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.



35.1074, 0.3118, 0.2243



41.5876, 0.3111, 0.2034



34.1301, 0.3590, 0.2673



13.2301, 0.3128, 0.3059



10.7438, 0.3050, 0.1454



0.7091, 0.3077, 0.1469



# Inverse Universe

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



32.5264, 0.4143, 0.3221



37.6160, 0.4507, 0.3209



59.1364, 0.2840, 0.4012



13.0650, 0.3282, 0.3275



8.9543, 0.6328, 0.3260

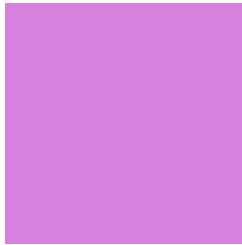


0.5850, 0.6118, 0.3144



# Previews

## White Background



This preview shows how the Yxy color 35.1059, 0.3118, 0.2243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

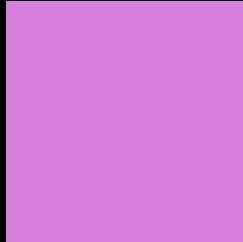
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1059, 0.3118, 0.2243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

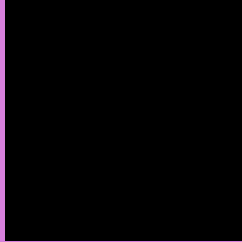
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.1059, 0.3118, 0.2243**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.1059, 0.3118, 0.2243.

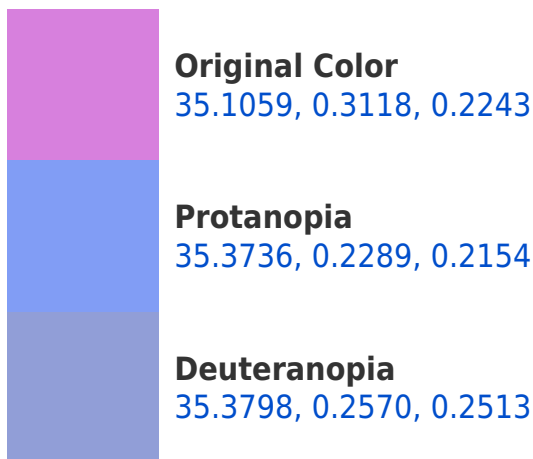


This preview shows how white text looks on a background with the Yxy color 35.1059, 0.3118, 0.2243.

# 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





## Tritanopia

35.0998, 0.3691, 0.3151

# Trichromacy



## Original Color

35.1059, 0.3118, 0.2243



## Protanomaly

34.0875, 0.2529, 0.2160



## Deuteranomaly

34.4232, 0.2742, 0.2388



## Tritanomaly

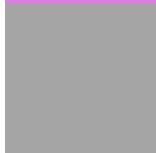
34.9466, 0.3475, 0.2797

# Monochromacy



## Original Color

35.1059, 0.3118, 0.2243



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

36.0265, 0.3128, 0.2852

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1059, 0.3118, 0.2243 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, 128, 221)` looks like.

```
.text, #text, p{  
    color:rgb(215, 128, 221)  
}
```

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, 128, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 128, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1059, 0.3118, 0.2243 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, 128, 221) }
```

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

```
.border{ border-color:rgb(215, 128, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 128, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 128, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 128, 221);  
box-shadow:4px 4px 4px 4px rgb(215, 128,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1059, 0.3118, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 128, 221) }
```

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

```
.background{ background-color: rgb(215,  
128, 221) }
```

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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