

# Converting Colors

$Y_{xy}(35.7848, 0.3130, 0.2196)$

Have a look what the booklet for  
Yxy(35.7848, 0.3130, 0.2196)  
contains.

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**Color**

**Yxy(35.7848, 0.3130, 0.2196)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD7EE2
RGB	221, 126, 226
RGB Percent	87%, 49%, 89%
CMY	0.1334, 0.5058, 0.1138
CMYK	0.02, 0.44, 0.00, 0.11
HSL	297°, 63%, 69%
HSV	297°, 44%, 89%
XYZ	51.0047, 35.7848, 76.1649
YIQ	165.8050, 24.5200, 51.2400

# Conversions

## Conversions Part 2

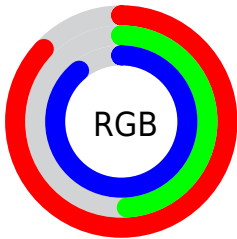
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 126, 226
Decimal	14515938
CIE Lab	66.36, 51.33, -35.55
CIE LCh	66, 62.440, 325.298
Yxy	35.7848, 0.3130, 0.2196
Android (android.graphics.Color)	4292706018 (0xFFDD7EE2)
YUV	165.8050, 29.6761, 48.4060
Hunter-Lab	59.8204, 47.5090, -33.6153

# Details

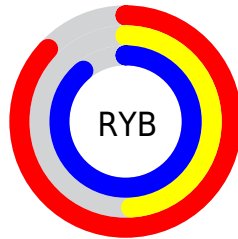
The Yxy color **35.7848, 0.3130, 0.2196** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.7216, 0.3093, 0.4657**, and the grayscale version is **37.8809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **15.5599, 0.3110, 0.1939** is the 20% darker color. If you saturate the color by 10%, you get **30.4677, 0.3126, 0.1980**, and if you desaturate by 10%, it is **42.4115, 0.3132, 0.2434**.

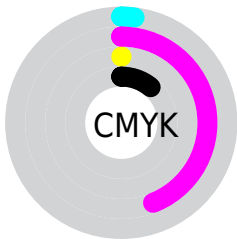
# Distribution



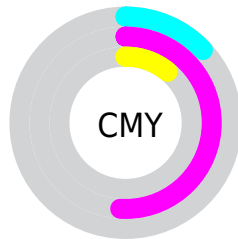
- Red (87%)
- Green (49%)
- Blue (89%)



- Red (87%)
- Yellow (49%)
- Blue (89%)



- Cyan (2%)
- Magenta (44%)
- Yellow (0%)
- Black (11%)




- Cyan (13%)
- Magenta (51%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7848, 0.3130, 0.2196 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 35.7848, 0.3130, 0.2196 by changing the saturation by 10% instead.





 35.7848, 0.3130,  
0.2196


 35.7848, 0.3130,  
0.2196


328.0190, 0.3148,  
0.2710

 24.2680, 0.3120,  
0.2078


 68.6998, 0.3141,  
0.2375

 15.5326, 0.3105,  
0.1934


 90.8668, 0.3143,  
0.2444

 9.1940, 0.3081,  
0.1753


 117.3527, 0.3145,  
0.2504

 4.8679, 0.3039,  
0.1520

148.5418, 0.3146,  
0.2556

 2.1700, 0.2964,  
0.1218

184.8186, 0.3147,  
0.2602

 0.7036, 0.2819,  
0.0810

226.5675, 0.3148,


 0.0000, 0.2581,


0.2642

0.0000


274.1728, 0.3148,  
0.2678

 0.0000, 0.0000,  
0.0000

 35.7848, 0.3130,  
0.2196


 35.7848, 0.3130,  
0.2196

 30.4677, 0.3126,  
0.1980

 42.4115, 0.3132,  
0.2434


 26.3666, 0.3120,  
0.1796


 50.4239, 0.3132,  
0.2684

 23.3829, 0.3111,  
0.1652


 59.8977, 0.3131,  
0.2938

 21.4006, 0.3101,  
0.1550

 70.9018, 0.3129,  
0.3187


 20.2784, 0.3090,  
0.1492

 83.5008, 0.3125,  
0.3426

 19.8916, 0.3083,  
0.1472

 93.4675, 0.3124,  
0.3587

 93.6527, 0.3131,  
0.3586

 93.8390, 0.3138,  
0.3586

 94.0266, 0.3145,  
0.3585

# Harmonies

## Analogous

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



35.7848, 0.2292, 0.1940



35.7848, 0.3130, 0.2196



35.7848, 0.4111, 0.2664

# Triad

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



35.7848, 0.3130, 0.2196



35.7848, 0.4541, 0.4576



35.7848, 0.1667, 0.2949

# Complementary

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



35.7848, 0.3130, 0.2196



60.7216, 0.3093, 0.4657

# 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.



35.7848, 0.2125, 0.3987



35.7848, 0.3130, 0.2196



35.7848, 0.3778, 0.5025

# Square

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



35.7848, 0.3130, 0.2196



35.7848, 0.4965, 0.3923



35.7848, 0.2897, 0.4870



35.7848, 0.1560, 0.2252



# Rectangle

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



35.7848, 0.3130, 0.2196



35.7848, 0.4647, 0.3055



35.7848, 0.2897, 0.4870



35.7848, 0.1780, 0.3271

# Sweetspot

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



35.7864, 0.3130, 0.2196



80.3300, 0.3131, 0.2967



26.1622, 0.2307, 0.1982



16.5538, 0.3131, 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.



35.7864, 0.3130, 0.2196



40.6179, 0.3126, 0.1998



34.4283, 0.3643, 0.2659



13.8989, 0.3130, 0.3059



11.3649, 0.3085, 0.1473



0.7986, 0.3105, 0.1484



# Inverse Universe

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



32.7310, 0.4242, 0.3235



36.1789, 0.4615, 0.3227



61.7657, 0.2819, 0.4034



13.7116, 0.3284, 0.3279



9.2436, 0.6345, 0.3269



0.6447, 0.6187, 0.3182



# Previews

## White Background



This preview shows how the Yxy color 35.7848, 0.3130, 0.2196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

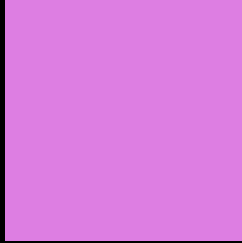
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.7848, 0.3130, 0.2196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

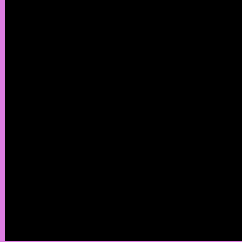
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.7848, 0.3130, 0.2196**

## Background



This preview shows how black text looks on a background with the Yxy color 35.7848, 0.3130, 0.2196.

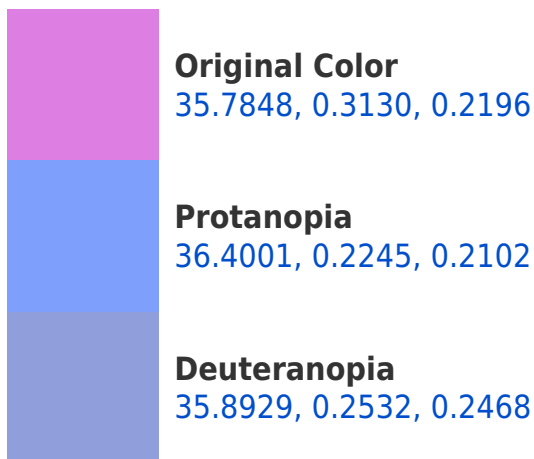


This preview shows how white text looks on a background with the Yxy color 35.7848, 0.3130, 0.2196.

# 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

35.6430, 0.3768, 0.3155

# Trichromacy



## Original Color

35.7848, 0.3130, 0.2196



## Protanomaly

34.9156, 0.2495, 0.2109



## Deuteranomaly

34.9120, 0.2722, 0.2339



## Tritanomaly

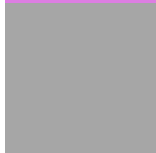
35.3507, 0.3520, 0.2761

# Monochromacy



## Original Color

35.7848, 0.3130, 0.2196



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

36.2032, 0.3130, 0.2806

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7848, 0.3130, 0.2196 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(221, 126, 226)` looks like.

```
.text, #text, p{  
    color:rgb(221, 126, 226)  
}
```

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(221, 126, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 126, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7848, 0.3130, 0.2196 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(221, 126, 226) }
```

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

```
.border{ border-color:rgb(221, 126, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 126, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 126, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 126, 226);  
box-shadow:4px 4px 4px 4px rgb(221, 126,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7848, 0.3130, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 126, 226) }
```

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

```
.background{ background-color: rgb(221,  
126, 226) }
```

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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