

# Converting Colors

$Y_{xy}(30.3188, 0.3266, 0.2098)$

Have a look what the booklet for  
Yxy(30.3188, 0.3266, 0.2098)  
contains.

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# Color

**Yxy(30.2853, 0.3268, 0.2096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE68D6
RGB	222, 104, 214
RGB Percent	87%, 41%, 84%
CMY	0.1293, 0.5922, 0.1607
CMYK	0.00, 0.53, 0.04, 0.13
HSL	304°, 64%, 64%
HSV	304°, 53%, 87%
XYZ	47.2196, 30.2853, 66.9860
YIQ	151.8220, 35.0180, 59.2260

# Conversions

## Conversions Part 2

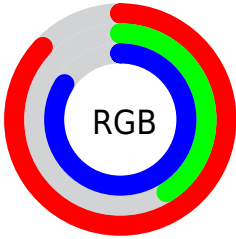
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 104, 214
Decimal	14575830
CIE <sub>Lab</sub>	61.90, 60.23, -35.79
CIE <sub>LCh</sub>	62, 70.060, 329.279
Yxy	30.2853, 0.3268, 0.2096
Android (android.graphics.Color)	4292765910 (0xFFDE68D6)
YUV	151.8220, 30.6538, 61.5461
Hunter-Lab	55.0321, 56.8537, -33.6464

# Details

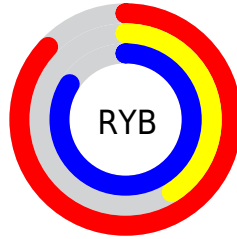
The Yxy color **30.2853, 0.3268, 0.2096** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.3686, 0.3009, 0.4880**, and the grayscale version is **31.1720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **12.4287, 0.3272, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **26.3144, 0.3297, 0.1925**, and if you desaturate by 10%, it is **35.4360, 0.3239, 0.2298**.

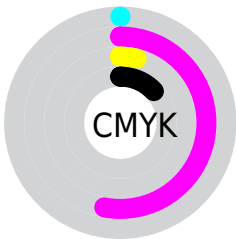
# Distribution



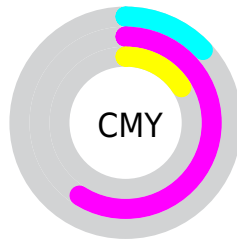
- Red (87%)
- Green (41%)
- Blue (84%)



- Red (87%)
- Yellow (41%)
- Blue (84%)



- Cyan (0%)
- Magenta (53%)
- Yellow (4%)
- Black (13%)




- Cyan (13%)
- Magenta (59%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2853, 0.3268, 0.2096 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 30.2853, 0.3268, 0.2096 by changing the saturation by 10% instead.





 30.2853, 0.3268,  
0.2096


 30.2853, 0.3268,  
0.2096


303.2320, 0.3219,  
0.2665


 20.0552, 0.3274,  
0.1965


 60.1131, 0.3255,  
0.2295


 12.4352, 0.3277,  
0.1802


 80.4796, 0.3249,  
0.2372

 7.0408, 0.3275,  
0.1599


 104.9937, 0.3243,  
0.2438

 3.4876, 0.3261,  
0.1338

 134.0398, 0.3238,  
0.2496

 1.3913, 0.3217,  
0.1001

168.0023, 0.3232,  
0.2546

 0.2103, 0.3174,  
0.0339

207.2655, 0.3228,

 0.0000, 0.2735,

0.2590

0.0000

252.2140, 0.3223,  
0.2630

0.0000, 0.0000,  
0.0000

30.2853, 0.3268,  
0.2096

30.2853, 0.3268,  
0.2096

26.3144, 0.3297,  
0.1925

35.4360, 0.3239,  
0.2298

23.4247, 0.3325,  
0.1791

41.8466, 0.3210,  
0.2519

21.5085, 0.3351,  
0.1701

49.5950, 0.3182,  
0.2752


20.4339, 0.3375,  
0.1654

58.7517, 0.3157,  
0.2988


20.0369, 0.3389,  
0.1641

69.3821, 0.3134,  
0.3219

 81.5476, 0.3113,  
0.3440

 92.4663, 0.3097,  
0.3605

 92.5487, 0.3088,  
0.3589

 92.6318, 0.3080,  
0.3573

# Harmonies

## Analogous

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



30.2853, 0.2261, 0.1777



30.2853, 0.3268, 0.2096



30.2853, 0.4429, 0.2640

# Triad

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



30.2853, 0.3268, 0.2096



30.2853, 0.4612, 0.4814



30.2853, 0.1416, 0.2723

# Complementary

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



30.2853, 0.3268, 0.2096



56.3686, 0.3009, 0.4880

# 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.



30.2853, 0.1856, 0.3939



30.2853, 0.3268, 0.2096



30.2853, 0.3691, 0.5364

# Square

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



30.2853, 0.3268, 0.2096



30.2853, 0.5213, 0.4047



30.2853, 0.2687, 0.5115



30.2853, 0.1359, 0.2005



# Rectangle

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



30.2853, 0.3268, 0.2096



30.2853, 0.5019, 0.3079



30.2853, 0.2687, 0.5115



30.2853, 0.1516, 0.3081

# Sweetspot

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



30.2867, 0.3268, 0.2096



76.4974, 0.3164, 0.2918



18.6073, 0.2160, 0.1621



15.8085, 0.3170, 0.2870



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.



30.2867, 0.3268, 0.2096



35.4068, 0.3301, 0.1905



27.8019, 0.3978, 0.2697



13.9187, 0.3148, 0.3074



11.9050, 0.3386, 0.1639



0.8301, 0.3356, 0.1623



# Inverse Universe

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



30.2867, 0.3268, 0.2096



35.4068, 0.3301, 0.1905



58.1344, 0.2703, 0.4011



13.9187, 0.3148, 0.3074



11.9050, 0.3386, 0.1639



0.8301, 0.3356, 0.1623



# Previews

## White Background



This preview shows how the Yxy color 30.2853, 0.3268, 0.2096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

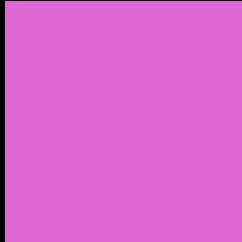
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.2853, 0.3268, 0.2096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

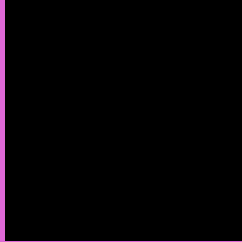
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.2853, 0.3268, 0.2096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.2853, 0.3268, 0.2096.

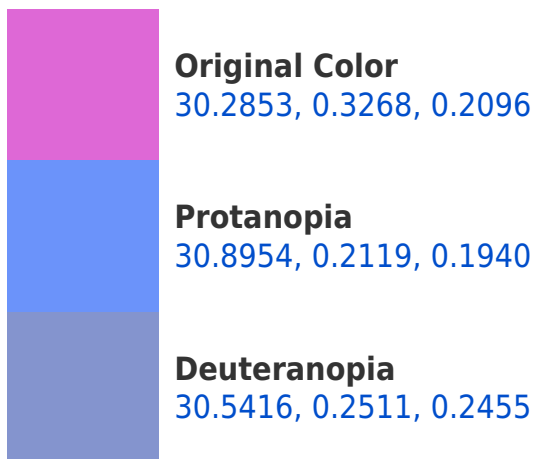


This preview shows how white text looks on a background with the Yxy color 30.2853, 0.3268, 0.2096.

# 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

30.2549, 0.4088, 0.3181

# Trichromacy



## Original Color

30.2853, 0.3268, 0.2096



## Protanomaly

28.7366, 0.2414, 0.1938



## Deuteranomaly

29.1053, 0.2746, 0.2266



## Tritanomaly

29.9301, 0.3783, 0.2748

# Monochromacy



## Original Color

30.2853, 0.3268, 0.2096



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

29.7702, 0.3174, 0.2737

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.2853, 0.3268, 0.2096 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(222, 104, 214)` looks like.

```
.text, #text, p{  
    color:rgb(222, 104, 214)  
}
```

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(222, 104, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 104, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 30.2853, 0.3268, 0.2096 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(222, 104, 214) }
```

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

```
.border{ border-color:rgb(222, 104, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 104, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 104, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 104, 214);  
box-shadow:4px 4px 4px 4px rgb(222, 104,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.2853, 0.3268, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 104, 214) }
```

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

```
.background{ background-color: rgb(222,  
104, 214) }
```

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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