

# Converting Colors

$Y_{xy}(30.1718, 0.3874, 0.2781)$

Have a look what the booklet for  
Yxy(30.1718, 0.3874, 0.2781)  
contains.

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# Color

**Yxy(30.2096, 0.3867, 0.2781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC749F
RGB	220, 116, 159
RGB Percent	86%, 45%, 62%
CMY	0.1374, 0.5449, 0.3765
CMYK	0.00, 0.47, 0.28, 0.14
HSL	335°, 60%, 66%
HSV	335°, 47%, 86%
XYZ	42.0067, 30.2096, 36.4123
YIQ	151.9980, 48.1810, 35.4210

# Conversions

## Conversions Part 2

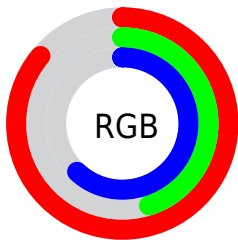
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 116, 159
Decimal	14447775
CIE Lab	61.83, 45.36, -4.62
CIE LCh	62, 45.599, 354.179
Yxy	30.2096, 0.3867, 0.2781
Android (android.graphics.Color)	4292637855 (0xFFDC749F)
YUV	151.9980, 3.4520, 59.6378
Hunter-Lab	54.9633, 40.2361, -0.8044

# Details

The Yxy color **30.2096, 0.3867, 0.2781** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **58.0510, 0.2725, 0.3885**, and the grayscale version is **31.3709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8645, 0.3506, 0.2839**, and **12.3191, 0.4103, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **25.2996, 0.4114, 0.2689**, and if you desaturate by 10%, it is **36.3698, 0.3654, 0.2887**.

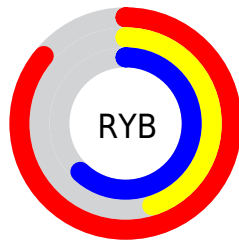
# Distribution



Red (86%)

Green (45%)

Blue (62%)



Red (86%)

Yellow (45%)

Blue (62%)

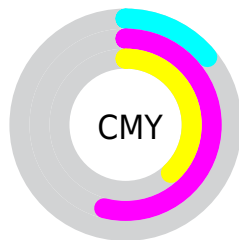


Cyan (0%)

Magenta (47%)

Yellow (28%)

Black (14%)



Cyan (14%)

Magenta (54%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2096, 0.3867, 0.2781 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 30.2096, 0.3867, 0.2781 by changing the saturation by 10% instead.




 30.2096, 0.3867,  
0.2781


 30.2096, 0.3867,  
0.2781


302.8802, 0.3475,  
0.3046


 19.9977, 0.3972,  
0.2711


 59.9935, 0.3719,  
0.2880

 12.3934, 0.4112,  
0.2620


 80.3343, 0.3665,  
0.2916

 7.0122, 0.4306,  
0.2495


 104.8202, 0.3620,  
0.2947

 3.4697, 0.4592,  
0.2314

133.8356, 0.3582,  
0.2973

 1.3816, 0.5054,  
0.2031

167.7650, 0.3550,  
0.2995

 0.2031, 0.6501,  
0.0951

206.9926, 0.3522,

 0.0000, 1.0000,

0.3014


0.0000


251.9029, 0.3497,  
0.3031

 0.0000, 0.0000,  
0.0000

 30.2096, 0.3867,  
0.2781


 30.2096, 0.3867,  
0.2781

 25.2996, 0.4114,  
0.2689


 36.3698, 0.3654,  
0.2887


 21.5478, 0.4392,  
0.2624


 43.8547, 0.3475,  
0.2999


 18.8568, 0.4690,  
0.2597


 52.7382, 0.3325,  
0.3110

 17.1108, 0.4991,  
0.2620

 63.0874, 0.3202,  
0.3217

 16.1562, 0.5275,  
0.2696

 74.9651, 0.3101,  
0.3317

 15.9618, 0.5351,  
0.2722

 88.4303, 0.3018,  
0.3410

 93.5874, 0.2947,  
0.3347

 93.9480, 0.2917,  
0.3289

# Harmonies

## Analogous

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



30.2096, 0.3114, 0.2394



30.2096, 0.3867, 0.2781



30.2096, 0.4434, 0.3285

# Triad

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



30.2096, 0.3867, 0.2781



30.2096, 0.3709, 0.4634



30.2096, 0.1853, 0.2500

# Complementary

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



30.2096, 0.3867, 0.2781



58.0510, 0.2725, 0.3885

# 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.



30.2096, 0.1967, 0.3078



30.2096, 0.3867, 0.2781



30.2096, 0.3003, 0.4485

# Square

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



30.2096, 0.3867, 0.2781



30.2096, 0.4294, 0.4336



30.2096, 0.2369, 0.3854



30.2096, 0.2017, 0.2212



# Rectangle

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



30.2096, 0.3867, 0.2781



30.2096, 0.4585, 0.3649



30.2096, 0.2369, 0.3854



30.2096, 0.1859, 0.2660

# Sweetspot

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



30.2111, 0.3867, 0.2781



78.0234, 0.3284, 0.3144



26.9717, 0.2754, 0.1996



16.0554, 0.3313, 0.3120



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.



30.2111, 0.3867, 0.2781



35.2284, 0.4120, 0.2687



31.0614, 0.4369, 0.3397



13.1403, 0.3227, 0.3194



9.3935, 0.5313, 0.2700



0.6254, 0.4889, 0.2467



# Inverse Universe

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



30.2111, 0.3867, 0.2781



35.2284, 0.4120, 0.2687



55.6142, 0.2482, 0.3174



13.1403, 0.3227, 0.3194



9.3935, 0.5313, 0.2700



0.6254, 0.4889, 0.2467



# Previews

## White Background



This preview shows how the Yxy color 30.2096, 0.3867, 0.2781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

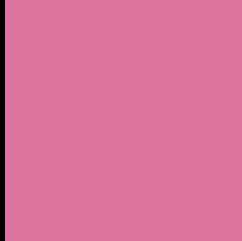
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.2096, 0.3867, 0.2781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

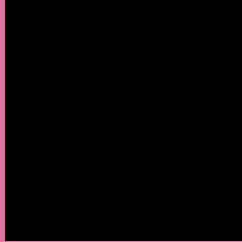
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.2096, 0.3867, 0.2781**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.2096, 0.3867, 0.2781.



This preview shows how white text looks on a background with the Yxy color 30.2096, 0.3867, 0.2781.

# 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

30.2096, 0.3867, 0.2781

### Protanopia

30.6298, 0.2795, 0.2825

### Deuteranopia

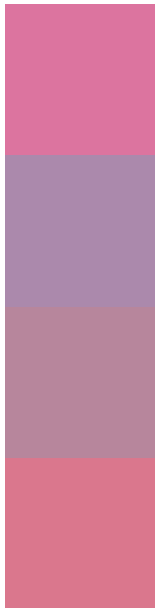
30.2653, 0.3217, 0.3156



## Tritanopia

30.0382, 0.4184, 0.3183

# Trichromacy



**Original Color**

30.2096, 0.3867, 0.2781

**Protanomaly**

29.5278, 0.3140, 0.2794

**Deuteranomaly**

29.5178, 0.3442, 0.2984

**Tritanomaly**

30.0222, 0.4064, 0.3026

# Monochromacy



**Original Color**

30.2096, 0.3867, 0.2781

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.1789, 0.3377, 0.3063

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.2096, 0.3867, 0.2781 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(220, 116, 159)` looks like.

```
.text, #text, p{  
    color:rgb(220, 116, 159)  
}
```

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(220, 116, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 116, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 30.2096, 0.3867, 0.2781 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(220, 116, 159) }
```

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

```
.border{ border-color:rgb(220, 116, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 116, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 116, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 116, 159);  
box-shadow:4px 4px 4px 4px rgb(220, 116,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.2096, 0.3867, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 116, 159) }
```

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

```
.background{ background-color: rgb(220,  
116, 159) }
```

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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