

# Converting Colors

$Y_{xy}(30.8461, 0.3911, 0.3067)$

Have a look what the booklet for  
Yxy(30.8461, 0.3911, 0.3067)  
contains.

|   |    |
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# Color

**Yxy(30.7842, 0.3920, 0.3066)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | D37E90                     |
| RGB         | 211, 126, 144              |
| RGB Percent | 83%, 49%, 56%              |
| CMY         | 0.1726, 0.5059, 0.4352     |
| CMYK        | 0.00, 0.40, 0.32, 0.17     |
| HSL         | 347°, 49%, 66%             |
| HSV         | 347°, 40%, 83%             |
| XYZ         | 39.3588, 30.7842, 30.2621  |
| YIQ         | 153.4670, 44.8820, 23.6180 |

# Conversions

## Conversions Part 2

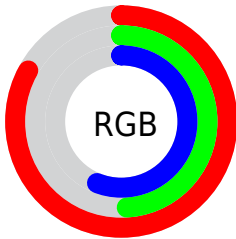
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 211, 126, 144                 |
| Decimal                             | 13860496                      |
| CIE Lab                             | 62.33, 35.07, 4.52            |
| CIE LCh                             | 62, 35.364, 7.349             |
| Yxy                                 | 30.7842, 0.3920,<br>0.3066    |
| Android<br>(android.graphics.Color) | 4292050576<br>(0xFFD37E90)    |
| YUV                                 | 153.4670, -4.6672,<br>50.4564 |
| Hunter-Lab                          | 55.4835, 29.5279,<br>6.5002   |

# Details

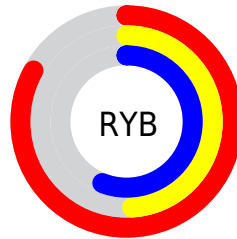
The Yxy color **30.7842, 0.3920, 0.3066** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.8706, 0.2675, 0.3535**, and the grayscale version is **32.0770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9797, 0.3627, 0.3104**, and **12.7103, 0.4186, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **25.4749, 0.4233, 0.3015**, and if you desaturate by 10%, it is **37.3093, 0.3659, 0.3123**.

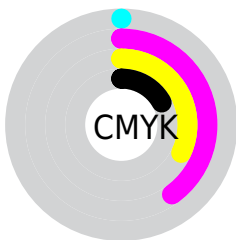
# Distribution



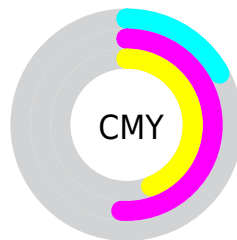
- Red (83%)
- Green (49%)
- Blue (56%)



- Red (83%)
- Yellow (49%)
- Blue (56%)



- Cyan (0%)
- Magenta (40%)
- Yellow (32%)
- Black (17%)




- Cyan (17%)
- Magenta (51%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7842, 0.3920, 0.3066 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 30.7842, 0.3920, 0.3066 by changing the saturation by 10% instead.





 30.7842, 0.3920,  
0.3066


 30.7842, 0.3920,  
0.3066


305.5429, 0.3494,  
0.3191

 20.4346, 0.4036,  
0.3030


 60.9002, 0.3758,  
0.3115

 12.7113, 0.4192,  
0.2981


 81.4353, 0.3699,  
0.3132

 7.2301, 0.4411,  
0.2910


 106.1344, 0.3651,  
0.3146

 3.6064, 0.4739,  
0.2798

135.3818, 0.3610,  
0.3158

 1.4559, 0.5279,  
0.2604

169.5620, 0.3575,  
0.3168

 0.2574, 0.8143,  
0.1857

209.0593, 0.3544,

 0.0000, 1.0000,

0.3177

0.0000

254.2581, 0.3518,  
0.3184

0.0000, 0.0000,  
0.0000

30.7842, 0.3920,  
0.3066

30.7842, 0.3920,  
0.3066

25.4749, 0.4233,  
0.3015

37.3093, 0.3659,  
0.3123

21.3015, 0.4596,  
0.2978

45.1145, 0.3445,  
0.3180

18.1815, 0.4996,  
0.2964


54.2651, 0.3271,  
0.3236

16.0194, 0.5403,  
0.2981

64.8205, 0.3131,  
0.3289

14.7022, 0.5774,  
0.3036

76.8367, 0.3017,  
0.3337

 14.0353, 0.6061,  
0.3113

 90.3664, 0.2924,  
0.3381

 92.5879, 0.2866,  
0.3289

# Harmonies

## Analogous

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



30.7842, 0.3382, 0.2698



30.7842, 0.3920, 0.3066



30.7842, 0.4230, 0.3501

# Triad

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



30.7842, 0.3920, 0.3066



30.7842, 0.3363, 0.4308



30.7842, 0.2140, 0.2548

# Complementary

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



30.7842, 0.3920, 0.3066



54.8706, 0.2675, 0.3535

# 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.



30.7842, 0.2137, 0.2918



30.7842, 0.3920, 0.3066



30.7842, 0.2811, 0.4013

# Square

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



30.7842, 0.3920, 0.3066



30.7842, 0.3877, 0.4247



30.7842, 0.2370, 0.3465



30.7842, 0.2375, 0.2400



# Rectangle

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



30.7842, 0.3920, 0.3066



30.7842, 0.4251, 0.3793



30.7842, 0.2370, 0.3465



30.7842, 0.2113, 0.2647

# Sweetspot

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



30.7857, 0.3920, 0.3066



80.5497, 0.3301, 0.3226



30.9086, 0.2991, 0.2249



16.8291, 0.3322, 0.3219



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.



30.7857, 0.3920, 0.3066



40.4133, 0.4174, 0.3024



37.1947, 0.4015, 0.3595



11.8487, 0.3258, 0.3241



8.4832, 0.6027, 0.3094



0.4863, 0.5507, 0.2807



# Inverse Universe

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



30.7857, 0.3920, 0.3066



40.4133, 0.4174, 0.3024



44.6431, 0.2524, 0.2957



11.8487, 0.3258, 0.3241



8.4832, 0.6027, 0.3094



0.4863, 0.5507, 0.2807



# Previews

## White Background



This preview shows how the Yxy color 30.7842, 0.3920, 0.3066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

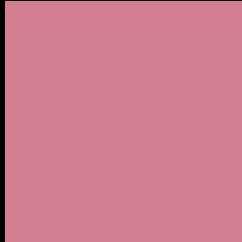
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.7842, 0.3920, 0.3066 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 30.7842, 0.3920, 0.3066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.7842, 0.3920, 0.3066.



This preview shows how white text looks on a background with the Yxy color 30.7842, 0.3920, 0.3066.

# 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

30.7842, 0.3920, 0.3066

### Protanopia

30.9567, 0.3073, 0.3168

### Deuteranopia

31.0269, 0.3434, 0.3365



## Tritanopia

30.6865, 0.3991, 0.3166

# Trichromacy



## Original Color

30.7842, 0.3920, 0.3066

## Protanomaly

30.2339, 0.3351, 0.3117

## Deuteranomaly

30.7325, 0.3608, 0.3249

## Tritanomaly

30.7738, 0.3954, 0.3128

# Monochromacy



## Original Color

30.7842, 0.3920, 0.3066

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

30.8456, 0.3390, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.7842, 0.3920, 0.3066 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(211, 126, 144)` looks like.

```
.text, #text, p{  
    color:rgb(211, 126, 144)  
}
```

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(211, 126, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 126, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 30.7842, 0.3920, 0.3066 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(211, 126, 144) }
```

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

```
.border{ border-color:rgb(211, 126, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 126, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 126, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 126, 144);  
box-shadow:4px 4px 4px 4px rgb(211, 126,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.7842, 0.3920, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 126, 144) }
```

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

```
.background{ background-color: rgb(211,  
126, 144) }
```

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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