

# Converting Colors

$Yxy(60.4800, 0.2987, 0.2892)$

Have a look what the booklet for  
Yxy(60.4800, 0.2987, 0.2892)  
contains.

<b>Yxy(60.4748, 0.2987, 0.2891)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.4748, 0.2987, 0.2891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5C6EA
RGB	213, 198, 234
RGB Percent	84%, 78%, 92%
CMY	0.1648, 0.2235, 0.0823
CMYK	0.09, 0.15, 0.00, 0.08
HSL	265°, 46%, 85%
HSV	265°, 15%, 92%
XYZ	62.4830, 60.4748, 86.2252
YIQ	206.5890, -2.6160, 14.3760

# Conversions

## Conversions Part 2

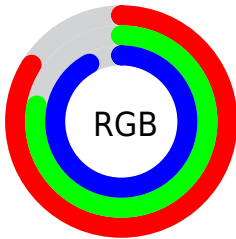
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 198, 234
Decimal	14010090
CIE <sub>Lab</sub>	82.10, 11.93, -15.91
CIE <sub>LCh</sub>	82, 19.881, 306.870
Yxy	60.4748, 0.2987, 0.2891
Android (android.graphics.Color)	4292200170 (0xFFD5C6EA)
YUV	206.5890, 13.5136, 5.6224
Hunter-Lab	77.7655, 7.3312, -11.3039

# Details

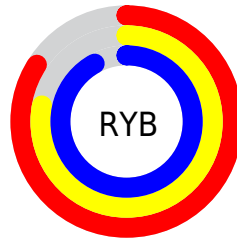
The Yxy color  $60.4748, 0.2987, 0.2891$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $77.9916, 0.3252, 0.3684$ , and the grayscale version is  $62.0321, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $30.4300, 0.2950, 0.2796$  is the 20% darker color. If you saturate the color by 10%, you get  $48.6348, 0.2877, 0.2604$ , and if you desaturate by 10%, it is  $74.1448, 0.3082, 0.3157$ .

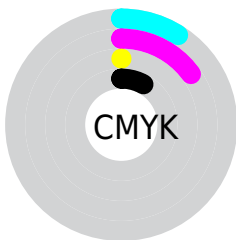
# Distribution



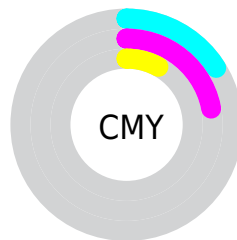
- Red (84%)
- Green (78%)
- Blue (92%)



- Red (84%)
- Yellow (78%)
- Blue (92%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)



- Cyan (16%)
- Magenta (22%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4748, 0.2987, 0.2891 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 60.4748, 0.2987, 0.2891 by changing the saturation by 10% instead.



■ 60.4748, 0.2987,  
0.2891

■ 60.4748, 0.2987,  
0.2891

426.3457, 0.3055,  
0.3077

■ 43.8015, 0.2970,  
0.2848

105.5181, 0.3011,  
0.2956

■ 30.5144, 0.2950,  
0.2795

134.6569, 0.3021,  
0.2981

■ 20.2294, 0.2922,  
0.2728

168.7196, 0.3029,  
0.3002

■ 12.5619, 0.2886,  
0.2641

208.0906, 0.3036,  
0.3021

■ 7.1276, 0.2834,  
0.2521

253.1543, 0.3041,  
0.3038

■ 3.5420, 0.2754,  
0.2348

304.2951, 0.3047,

■ 1.4208, 0.2618,

0.3052

0.2078

361.8974, 0.3051,  
0.3065

0.2320, 0.2362,  
0.1071

0.0000, 0.0000,  
0.0000

60.4748, 0.2987,  
0.2891

60.4748, 0.2987,  
0.2891

48.6348, 0.2877,  
0.2604

74.1448, 0.3082,  
0.3157

38.5372, 0.2753,  
0.2301

89.7118, 0.3163,  
0.3399

30.0986, 0.2616,  
0.1990

98.5281, 0.3243,  
0.3493

23.2258, 0.2468,  
0.1686

98.7209, 0.3250,  
0.3493

■ 17.8156, 0.2317,  
0.1403

■ 13.7523, 0.2167,  
0.1160

■ 10.9015, 0.2028,  
0.0969

■ 9.0988, 0.1907,  
0.0841

■ 8.5018, 0.1856,  
0.0796

# Harmonies

## Analogous

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



60.4748, 0.2775, 0.2871



60.4748, 0.2987, 0.2891



60.4748, 0.3245, 0.3007

# Triad

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



60.4748, 0.2987, 0.2891



60.4748, 0.3616, 0.3601



60.4748, 0.2783, 0.3380

# Complementary

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



60.4748, 0.2987, 0.2891



77.9916, 0.3252, 0.3684

# 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.



60.4748, 0.2997, 0.3601



60.4748, 0.2987, 0.2891



60.4748, 0.3481, 0.3725

# Square

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



60.4748, 0.2987, 0.2891



60.4748, 0.3616, 0.3406



60.4748, 0.3252, 0.3729



60.4748, 0.2662, 0.3142



# Rectangle

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



60.4748, 0.2987, 0.2891



60.4748, 0.3408, 0.3124



60.4748, 0.3252, 0.3729



60.4748, 0.2846, 0.3459

# Sweetspot

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



60.4774, 0.2987, 0.2891



90.7483, 0.3085, 0.3166



68.9285, 0.2888, 0.3128



19.1556, 0.3079, 0.3148



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.



60.4774, 0.2987, 0.2891



69.3961, 0.2959, 0.2815



63.2237, 0.3118, 0.2907



14.8550, 0.3045, 0.3051



4.8472, 0.1872, 0.0805



0.4359, 0.2027, 0.0890



# Inverse Universe

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



63.0021, 0.3255, 0.3064



72.9606, 0.3281, 0.3023



75.4289, 0.3132, 0.3699



15.2016, 0.3202, 0.3153



10.8647, 0.4604, 0.2310

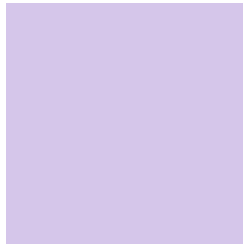


0.8722, 0.4358, 0.2174



# Previews

## White Background



This preview shows how the Yxy color 60.4748, 0.2987, 0.2891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

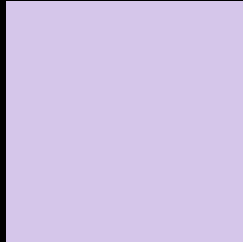
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4748, 0.2987, 0.2891 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 60.4748, 0.2987, 0.2891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4748, 0.2987, 0.2891.



This preview shows how white text looks on a background with the Yxy color 60.4748, 0.2987, 0.2891.

# 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

60.4748, 0.2987, 0.2891

### Protanopia

60.8321, 0.2861, 0.2904

### Deuteranopia

60.4890, 0.2965, 0.2900



## Tritanopia

60.4847, 0.3082, 0.3108

# Trichromacy



## Original Color

60.4748, 0.2987, 0.2891

## Protanomaly

60.5259, 0.2902, 0.2896

## Deuteranomaly

60.6362, 0.2972, 0.2901

## Tritanomaly

60.4852, 0.3048, 0.3030

# Monochromacy



## Original Color

60.4748, 0.2987, 0.2891

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.7508, 0.3074, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4748, 0.2987, 0.2891 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(213, 198, 234)` looks like.

```
.text, #text, p{  
    color:rgb(213, 198, 234)  
}
```

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(213, 198, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 198, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4748, 0.2987, 0.2891 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(213, 198, 234) }
```

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

```
.border{ border-color:rgb(213, 198, 234) }
```

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

Here you see how a box with a 4 pixel rgb(213, 198, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 198, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 198, 234);  
box-shadow:4px 4px 4px 4px rgb(213, 198,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4748, 0.2987, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 198, 234) }
```

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

```
.background{ background-color: rgb(213,  
198, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor