

# Converting Colors

$Yxy(48.9842, 0.2835, 0.2749)$

Have a look what the booklet for  
Yxy(48.9842, 0.2835, 0.2749)  
contains.

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# Color

**Yxy(48.9778, 0.2834, 0.2748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB5E2
RGB	186, 181, 226
RGB Percent	73%, 71%, 89%
CMY	0.2704, 0.2902, 0.1137
CMYK	0.18, 0.20, 0.00, 0.11
HSL	247°, 44%, 80%
HSV	247°, 20%, 89%
XYZ	50.5106, 48.9778, 78.7423
YIQ	187.6250, -11.4650, 15.0550

# Conversions

## Conversions Part 2

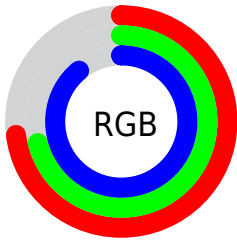
Format	Color
R <sub>Y</sub> B	186, 181, 226
Decimal	12236258
CIE Lab	75.44, 10.87, -21.87
CIE LCh	75, 24.421, 296.428
Yxy	48.9778, 0.2834, 0.2748
Android (android.graphics.Color)	4290426338 (0xFFBAB5E2)
YUV	187.6250, 18.9189, -1.4251
Hunter-Lab	69.9841, 6.3589, -17.7210

# Details

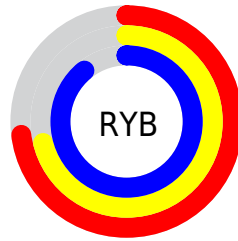
The Yxy color  $48.9778, 0.2834, 0.2748$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $73.0900, 0.3389, 0.3791$ , and the grayscale version is  $49.9663, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.6656, 0.3051, 0.3112$ , and  $23.2842, 0.2744, 0.2599$  is the 20% darker color. If you saturate the color by 10%, you get  $38.1842, 0.2658, 0.2431$ , and if you desaturate by 10%, it is  $61.6187, 0.2991, 0.3036$ .

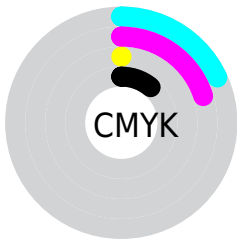
# Distribution



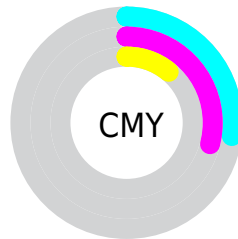
- Red (73%)
- Green (71%)
- Blue (89%)



- Red (73%)
- Yellow (71%)
- Blue (89%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (27%)
- Magenta (29%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9778, 0.2834, 0.2748 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 48.9778, 0.2834, 0.2748 by changing the saturation by 10% instead.



■ 48.9778, 0.2834,  
0.2748

■ 48.9778, 0.2834,  
0.2748

382.6549, 0.2980,  
0.3008

■ 34.6019, 0.2798,  
0.2686

■ 88.6585, 0.2887,  
0.2840

■ 23.3564, 0.2752,  
0.2609

114.7320, 0.2907,  
0.2875

■ 14.8569, 0.2691,  
0.2510

145.4736, 0.2924,  
0.2906

■ 8.7190, 0.2608,  
0.2377

181.2675, 0.2938,  
0.2932

■ 4.5583, 0.2488,  
0.2193

222.4982, 0.2951,  
0.2954

■ 1.9905, 0.2300,  
0.1920


269.5501, 0.2962,

■ 0.6020, 0.1989,

0.2975


0.1430


322.8075, 0.2971,  
0.2992


 0.0000, 0.0000,  
0.0000


 48.9778, 0.2834,  
0.2748

 48.9778, 0.2834,  
0.2748

 38.1842, 0.2658,  
0.2431


 61.6187, 0.2991,  
0.3036


 29.1455, 0.2466,  
0.2093


 76.1815, 0.3128,  
0.3292

 21.7704, 0.2265,  
0.1746

 92.7442, 0.3247,  
0.3517

 15.9569, 0.2065,  
0.1411

 98.2710, 0.3298,  
0.3572

 11.5917, 0.1879,  
0.1111

■ 8.5462, 0.1722,  
0.0871

■ 6.6686, 0.1607,  
0.0708

■ 5.7096, 0.1535,  
0.0620

■ 5.7034, 0.1534,  
0.0619

# Harmonies

## Analogous

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



48.9778, 0.2599, 0.2766



48.9778, 0.2834, 0.2748



48.9778, 0.3159, 0.2858

# Triad

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



48.9778, 0.2834, 0.2748



48.9778, 0.3795, 0.3609



48.9778, 0.2761, 0.3518

# Complementary

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



48.9778, 0.2834, 0.2748



73.0900, 0.3389, 0.3791

# 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.



48.9778, 0.3067, 0.3784



48.9778, 0.2834, 0.2748



48.9778, 0.3671, 0.3818

# Square

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



48.9778, 0.2834, 0.2748



48.9778, 0.3730, 0.3337



48.9778, 0.3401, 0.3892



48.9778, 0.2558, 0.3194



# Rectangle

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



48.9778, 0.2834, 0.2748



48.9778, 0.3387, 0.2990



48.9778, 0.3401, 0.3892



48.9778, 0.2855, 0.3619

# Sweetspot

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



48.9798, 0.2834, 0.2748



88.1389, 0.3046, 0.3139



67.2900, 0.2827, 0.3237



18.6012, 0.3037, 0.3122



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.



48.9798, 0.2834, 0.2748



58.0893, 0.2762, 0.2617



51.9429, 0.3005, 0.2775



13.3168, 0.2998, 0.3049



3.2794, 0.1542, 0.0623



0.2523, 0.1641, 0.0677



# Inverse Universe

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



54.4283, 0.3190, 0.2850



66.5387, 0.3205, 0.2754



69.8696, 0.3228, 0.3817



13.9077, 0.3155, 0.3085



11.6293, 0.3514, 0.1709



0.8138, 0.3461, 0.1680



# Previews

## White Background



This preview shows how the Yxy color 48.9778, 0.2834, 0.2748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

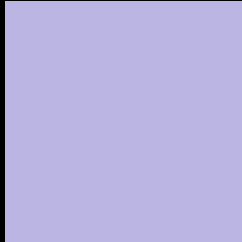
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9778, 0.2834, 0.2748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

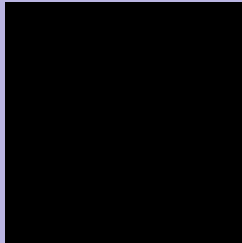
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9778, 0.2834, 0.2748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9778, 0.2834, 0.2748.



This preview shows how white text looks on a background with the Yxy color 48.9778, 0.2834, 0.2748.

# 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

48.9778, 0.2834, 0.2748

### Protanopia

49.1125, 0.2749, 0.2752

### Deuteranopia

49.1372, 0.2819, 0.2758



## Tritanopia

49.1117, 0.2981, 0.3112

# Trichromacy



## Original Color

48.9778, 0.2834, 0.2748

## Protanomaly

49.1163, 0.2783, 0.2755

## Deuteranomaly

49.2612, 0.2827, 0.2759

## Tritanomaly

48.9517, 0.2931, 0.2978

# Monochromacy



## Original Color

48.9778, 0.2834, 0.2748

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.5270, 0.3014, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9778, 0.2834, 0.2748 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(186, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(186, 181, 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(186, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 181, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9778, 0.2834, 0.2748 is called "border". The border property can be set on classes, ids or directly on the HTML element.

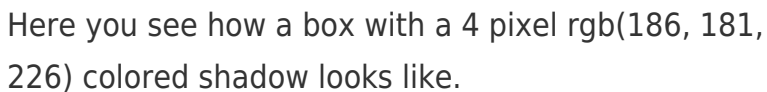
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 181, 226) }
```

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

```
.border{ border-color:rgb(186, 181, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 181, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 181, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 181, 226); box-shadow:4px 4px 4px 4px rgb(186, 181, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9778, 0.2834, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 181, 226) }
```

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

```
.background{ background-color: rgb(186,  
181, 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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