

# Converting Colors

$Y_{xy}(41.9360, 0.2970, 0.2770)$

Have a look what the booklet for  
Yxy(41.9360, 0.2970, 0.2770)  
contains.

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# Color

**Yxy(41.8544, 0.2967, 0.2762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAA5CF
RGB	186, 165, 207
RGB Percent	73%, 65%, 81%
CMY	0.2707, 0.3529, 0.1883
CMYK	0.10, 0.20, 0.00, 0.19
HSL	270°, 30%, 73%
HSV	270°, 20%, 81%
XYZ	44.9609, 41.8544, 64.7213
YIQ	176.0670, -0.9660, 17.5140

# Conversions

## Conversions Part 2

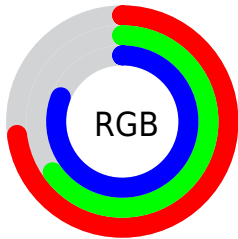
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 165, 207
Decimal	12232143
CIE <sub>Lab</sub>	70.77, 15.57, -18.56
CIE <sub>LCh</sub>	71, 24.227, 310.006
Yxy	41.8544, 0.2967, 0.2762
Android (android.graphics.Color)	4290422223 (0xFFBAA5CF)
YUV	176.0670, 15.2500, 8.7112
Hunter-Lab	64.6950, 10.8355, -14.0276

# Details

The Yxy color  $41.8544, 0.2967, 0.2762$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $57.7683, 0.3262, 0.3819$ , and the grayscale version is  $43.3717, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.2836, 0.3054, 0.2940$ , and  $19.0967, 0.2917, 0.2612$  is the 20% darker color. If you saturate the color by 10%, you get  $33.7334, 0.2869, 0.2475$ , and if you desaturate by 10%, it is  $51.2811, 0.3052, 0.3033$ .

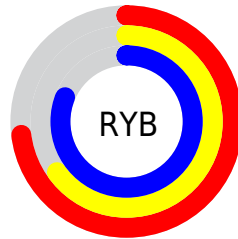
# Distribution



Red (73%)

Green (65%)

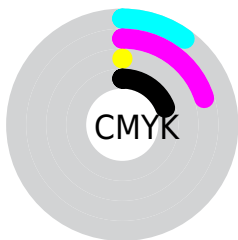
Blue (81%)



Red (73%)

Yellow (65%)

Blue (81%)

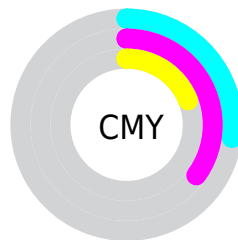


Cyan (10%)

Magenta (20%)

Yellow (0%)

Black (19%)



Cyan (27%)

Magenta (35%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8544, 0.2967, 0.2762 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 41.8544, 0.2967, 0.2762 by changing the saturation by 10% instead.



41.8544, 0.2967,  
0.2762

41.8544, 0.2967,  
0.2762

353.8790, 0.3051,  
0.3021

28.9873, 0.2945,  
0.2699

77.9792, 0.2998,  
0.2855

19.0712, 0.2916,  
0.2619

102.0057, 0.3010,  
0.2890

11.7217, 0.2876,  
0.2515

130.5208, 0.3020,  
0.2920

6.5545, 0.2819,  
0.2372

163.9089, 0.3028,  
0.2946

3.1851, 0.2731,  
0.2169

202.5544, 0.3035,  
0.2968

1.2291, 0.2578,  
0.1855

246.8416, 0.3041,

0.0853, 0.2303,

0.2988

0.0426

297.1550, 0.3046,  
0.3006

0.0000, 0.0000,  
0.0000

41.8544, 0.2967,  
0.2762

41.8544, 0.2967,  
0.2762

33.7334, 0.2869,  
0.2475

51.2811, 0.3052,  
0.3033

26.8528, 0.2758,  
0.2179

62.0643, 0.3125,  
0.3284

21.1496, 0.2636,  
0.1884

74.2584, 0.3187,  
0.3512

16.5529, 0.2507,  
0.1603

87.9132, 0.3239,  
0.3718

12.9838, 0.2374,  
0.1351

94.1577, 0.3298,  
0.3778

■ 10.3525, 0.2244,  
0.1142

■ 95.9993, 0.3366,  
0.3768

■ 8.5530, 0.2122,  
0.0987

■ 97.2836, 0.3412,  
0.3761

■ 7.4128, 0.2015,  
0.0884

# Harmonies

## Analogous

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



41.8544, 0.2671, 0.2717



41.8544, 0.2967, 0.2762



41.8544, 0.3323, 0.2929

# Triad

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



41.8544, 0.2967, 0.2762



41.8544, 0.3789, 0.3733



41.8544, 0.2632, 0.3375

# Complementary

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



41.8544, 0.2967, 0.2762



57.7683, 0.3262, 0.3819

# 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.



41.8544, 0.2910, 0.3697



41.8544, 0.2967, 0.2762



41.8544, 0.3581, 0.3898

# Square

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



41.8544, 0.2967, 0.2762



41.8544, 0.3814, 0.3470



41.8544, 0.3257, 0.3893



41.8544, 0.2486, 0.3047



# Rectangle

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



41.8544, 0.2967, 0.2762



41.8544, 0.3546, 0.3090



41.8544, 0.3257, 0.3893



41.8544, 0.2712, 0.3489

# Sweetspot

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



41.8562, 0.2967, 0.2762



89.2008, 0.3084, 0.3141



47.9147, 0.2810, 0.3027



18.8516, 0.3080, 0.3124



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.



41.8562, 0.2967, 0.2762



61.6234, 0.2929, 0.2648



44.5800, 0.3144, 0.2790



11.7037, 0.3059, 0.3055



4.7281, 0.2029, 0.0892



0.3115, 0.2231, 0.1002



# Inverse Universe

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



43.7222, 0.3333, 0.3034



65.1590, 0.3384, 0.2980



55.4049, 0.3106, 0.3845



11.9055, 0.3213, 0.3174



9.0009, 0.4944, 0.2497



0.5193, 0.4541, 0.2275



# Previews

## White Background



This preview shows how the Yxy color 41.8544, 0.2967, 0.2762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

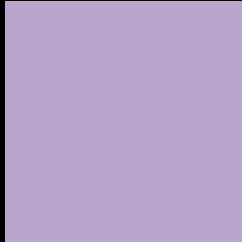
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8544, 0.2967, 0.2762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

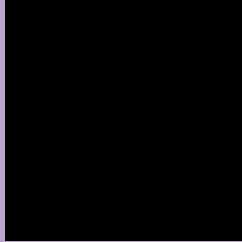
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8544, 0.2967, 0.2762**

## Background



This preview shows how black text looks on a background with the Yxy color 41.8544, 0.2967, 0.2762.



This preview shows how white text looks on a background with the Yxy color 41.8544, 0.2967, 0.2762.

# 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

41.8544, 0.2967, 0.2762

### Protanopia

42.1007, 0.2761, 0.2779

### Deuteranopia

41.8308, 0.2875, 0.2811



## Tritanopia

41.7399, 0.3127, 0.3105

# Trichromacy



## Original Color

41.8544, 0.2967, 0.2762

## Protanomaly

41.7997, 0.2829, 0.2761

## Deuteranomaly

41.9265, 0.2908, 0.2802

## Tritanomaly

41.8783, 0.3061, 0.2978

# Monochromacy



## Original Color

41.8544, 0.2967, 0.2762

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.7962, 0.3075, 0.3093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8544, 0.2967, 0.2762 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, 165, 207)` looks like.

```
.text, #text, p{  
    color:rgb(186, 165, 207)  
}
```

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, 165, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 165, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8544, 0.2967, 0.2762 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, 165, 207) }
```

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

```
.border{ border-color:rgb(186, 165, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 165, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 165, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 165, 207);  
box-shadow:4px 4px 4px 4px rgb(186, 165,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8544, 0.2967, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 165, 207) }
```

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

```
.background{ background-color: rgb(186,  
165, 207) }
```

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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