

# Converting Colors

$Y_{xy}(43.3745, 0.2666, 0.2389)$

Have a look what the booklet for  
Yxy(43.3745, 0.2666, 0.2389)  
contains.

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# Color

**Yxy(43.3865, 0.2669, 0.2388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A6F2
RGB	180, 166, 242
RGB Percent	71%, 65%, 95%
CMY	0.2939, 0.3491, 0.0511
CMYK	0.26, 0.31, 0.00, 0.05
HSL	251°, 74%, 80%
HSV	251°, 31%, 95%
XYZ	48.4919, 43.3865, 89.8071
YIQ	178.8500, -16.0520, 26.6040

# Conversions

## Conversions Part 2

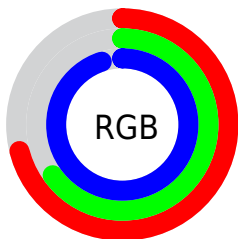
Format	Color
R <sub>Y</sub> B	180, 166, 242
Decimal	11839218
CIE Lab	71.82, 21.01, -36.16
CIE LCh	72, 41.815, 300.159
Yxy	43.3865, 0.2669, 0.2388
Android (android.graphics.Color)	4290029298 (0xFFB4A6F2)
YUV	178.8500, 31.1330, 1.0086
Hunter-Lab	65.8684, 16.1407, -34.7300

# Details

The Yxy color  $43.3865, 0.2669, 0.2388$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $82.7262, 0.3501, 0.4103$ , and the grayscale version is  $44.8369, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.9374, 0.3020, 0.2947$ , and  $20.0154, 0.2537, 0.2162$  is the 20% darker color. If you saturate the color by 10%, you get  $33.2018, 0.2488, 0.2053$ , and if you desaturate by 10%, it is  $55.5663, 0.2835, 0.2705$ .

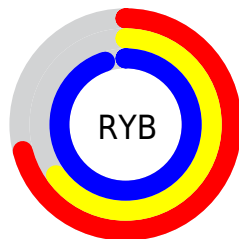
# Distribution



Red (71%)

Green (65%)

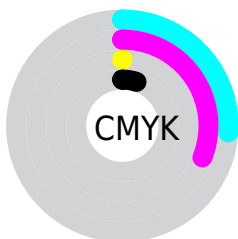
Blue (95%)



Red (71%)

Yellow (65%)

Blue (95%)

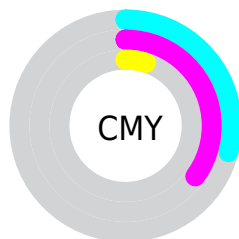


Cyan (26%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (35%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3865, 0.2669, 0.2388 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 43.3865, 0.2669, 0.2388 by changing the saturation by 10% instead.





 43.3865, 0.2669,  
0.2388


 43.3865, 0.2669,  
0.2388


360.1988, 0.2902,  
0.2815

 30.1885, 0.2611,  
0.2289


 80.2938, 0.2754,  
0.2537

 19.9817, 0.2537,  
0.2167


 104.7718, 0.2786,  
0.2595

 12.3817, 0.2439,  
0.2013


133.7787, 0.2813,  
0.2645

 7.0042, 0.2307,  
0.1814


167.6987, 0.2836,  
0.2688

 3.4647, 0.2117,  
0.1549

206.9164, 0.2856,  
0.2726

 1.3789, 0.1833,  
0.1188

251.8160, 0.2873,

 0.2011, 0.1415,

0.2759

0.0404

302.7820, 0.2888,  
0.2789

0.0000, 0.0000,  
0.0000

43.3865, 0.2669,  
0.2388

43.3865, 0.2669,  
0.2388

33.2018, 0.2488,  
0.2053

55.5663, 0.2835,  
0.2705

24.9000, 0.2297,  
0.1714

69.8353, 0.2982,  
0.2995

18.3653, 0.2105,  
0.1388

86.2874, 0.3111,  
0.3256

13.4670, 0.1925,  
0.1101

99.1896, 0.3203,  
0.3415

10.0558, 0.1769,  
0.0872

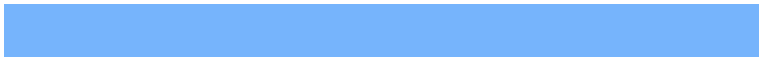
■ 7.9543, 0.1648,  
0.0718

■ 6.9626, 0.1576,  
0.0642

# Harmonies

## Analogous

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



43.3865, 0.2257, 0.2373



43.3865, 0.2669, 0.2388



43.3865, 0.3246, 0.2595

# Triad

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



43.3865, 0.2669, 0.2388



43.3865, 0.4301, 0.3854



43.3865, 0.2424, 0.3623

# Complementary

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



43.3865, 0.2669, 0.2388



82.7262, 0.3501, 0.4103

# 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.



43.3865, 0.2926, 0.4164



43.3865, 0.2669, 0.2388



43.3865, 0.4019, 0.4233

# Square

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



43.3865, 0.2669, 0.2388



43.3865, 0.4243, 0.3395



43.3865, 0.3511, 0.4384



43.3865, 0.2124, 0.3020



# Rectangle

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



43.3865, 0.2669, 0.2388



43.3865, 0.3654, 0.2820



43.3865, 0.3511, 0.4384



43.3865, 0.2573, 0.3825

# Sweetspot

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



43.3882, 0.2669, 0.2388



82.8452, 0.3014, 0.3060



70.0294, 0.2658, 0.3128



17.1797, 0.2995, 0.3020



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.



43.3882, 0.2669, 0.2388



40.9418, 0.2549, 0.2165



48.5712, 0.2966, 0.2461



15.3694, 0.3008, 0.3048



3.7836, 0.1587, 0.0648



0.3535, 0.1700, 0.0710



# Inverse Universe

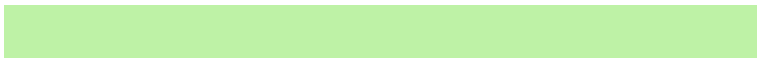
The Inverse Universe completely reimagines the original color for something new.



51.7396, 0.3279, 0.2641



51.8662, 0.3319, 0.2503



77.1997, 0.3238, 0.4175



15.9783, 0.3166, 0.3100



12.3309, 0.3740, 0.1834

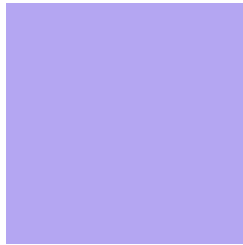


1.0387, 0.3658, 0.1789



# Previews

## White Background



This preview shows how the Yxy color 43.3865, 0.2669, 0.2388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

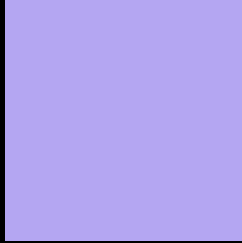
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.3865, 0.2669, 0.2388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

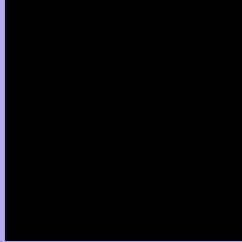
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.3865, 0.2669, 0.2388**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.3865, 0.2669, 0.2388.



This preview shows how white text looks on a background with the Yxy color 43.3865, 0.2669, 0.2388.

# 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

43.3865, 0.2669, 0.2388

### Protanopia

43.4368, 0.2457, 0.2370

### Deuteranopia

43.6313, 0.2522, 0.2469



## Tritanopia

43.3144, 0.2965, 0.3103

# Trichromacy



## Original Color

43.3865, 0.2669, 0.2388

## Protanomaly

43.1898, 0.2528, 0.2368

## Deuteranomaly

43.4760, 0.2573, 0.2434

## Tritanomaly

43.1072, 0.2854, 0.2814

# Monochromacy



## Original Color

43.3865, 0.2669, 0.2388

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.1201, 0.2948, 0.2930

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3865, 0.2669, 0.2388 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(180, 166, 242)` looks like.

```
.text, #text, p{  
    color:rgb(180, 166, 242)  
}
```

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(180, 166, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 166, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3865, 0.2669, 0.2388 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(180, 166, 242) }
```

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

```
.border{ border-color:rgb(180, 166, 242) }
```

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

Here you see how a box with a 4 pixel rgb(180, 166, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 166, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 166, 242);  
box-shadow:4px 4px 4px 4px rgb(180, 166,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3865, 0.2669, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 166, 242) }
```

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

```
.background{ background-color: rgb(180,  
166, 242) }
```

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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