

# Converting Colors

$Yxy(39.3479, 0.2647, 0.2177)$

Have a look what the booklet for  
Yxy(39.3479, 0.2647, 0.2177)  
contains.

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# Color

**Yxy(39.4241, 0.2645, 0.2175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B898F8
RGB	184, 152, 248
RGB Percent	72%, 60%, 97%
CMY	0.2783, 0.4039, 0.0274
CMYK	0.26, 0.39, 0.00, 0.03
HSL	260°, 87%, 78%
HSV	260°, 39%, 97%
XYZ	47.9433, 39.4241, 93.8928
YIQ	172.5120, -11.7440, 36.6400

# Conversions

## Conversions Part 2

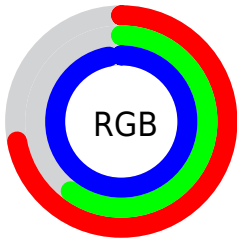
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 152, 248
Decimal	12097784
CIELab	69.06, 31.39, -43.71
CIELCh	69, 53.817, 305.680
Yxy	39.4241, 0.2645, 0.2175
Android (android.graphics.Color)	4290287864 (0xFFB898F8)
YUV	172.5120, 37.2156, 10.0750
Hunter-Lab	62.7886, 26.4167, -44.7090

# Details

The Yxy color **39.4241, 0.2645, 0.2175** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.9991, 0.3484, 0.4332**, and the grayscale version is **41.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7229, 0.3056, 0.2808**, and **17.7361, 0.2503, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **30.2764, 0.2485, 0.1853**, and if you desaturate by 10%, it is **50.4962, 0.2792, 0.2492**.

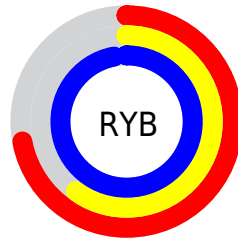
# Distribution



Red (72%)

Green (60%)

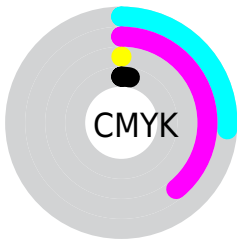
Blue (97%)



Red (72%)

Yellow (60%)

Blue (97%)

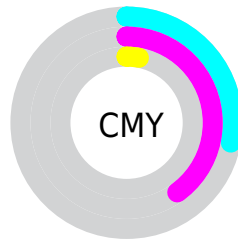


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (3%)



Cyan (28%)

Magenta (40%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4241, 0.2645, 0.2175 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 39.4241, 0.2645, 0.2175 by changing the saturation by 10% instead.





 39.4241, 0.2645,  
0.2175


 39.4241, 0.2645,  
0.2175


343.6902, 0.2897,  
0.2697

 27.0898, 0.2581,  
0.2057


 74.2858, 0.2738,  
0.2356

 17.6407, 0.2499,  
0.1912


 97.5819, 0.2772,  
0.2426

 10.6923, 0.2390,  
0.1733


125.3008, 0.2801,  
0.2487

 5.8603, 0.2242,  
0.1505

157.8268, 0.2826,  
0.2540

 2.7603, 0.2030,  
0.1213

195.5444, 0.2847,  
0.2586

 1.0079, 0.1716,  
0.0840

238.8379, 0.2866,

 0.0000, 0.1266,

0.2628

0.0000

288.0917, 0.2882,  
0.2664

0.0000, 0.0000,  
0.0000

39.4241, 0.2645,  
0.2175

39.4241, 0.2645,  
0.2175

30.2764, 0.2485,  
0.1853

50.4962, 0.2792,  
0.2492

22.9346, 0.2317,  
0.1541

63.5924, 0.2924,  
0.2792

17.2739, 0.2150,  
0.1257

78.8110, 0.3040,  
0.3069

13.1510, 0.1993,  
0.1021

96.2424, 0.3139,  
0.3321

10.3973, 0.1854,  
0.0847

99.5576, 0.3168,  
0.3357

■ 8.7721, 0.1742,  
0.0738

■ 8.6050, 0.1729,  
0.0726

# Harmonies

## Analogous

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



39.4241, 0.2084, 0.2100



39.4241, 0.2645, 0.2175



39.4241, 0.3424, 0.2472

# Triad

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



39.4241, 0.2645, 0.2175



39.4241, 0.4618, 0.4074



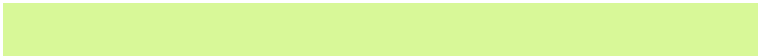
39.4241, 0.2111, 0.3567

# Complementary

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



39.4241, 0.2645, 0.2175



83.9991, 0.3484, 0.4332

# 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.



39.4241, 0.2705, 0.4379



39.4241, 0.2645, 0.2175



39.4241, 0.4157, 0.4570

# Square

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



39.4241, 0.2645, 0.2175



39.4241, 0.4657, 0.3495



39.4241, 0.3455, 0.4755



39.4241, 0.1805, 0.2780



# Rectangle

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



39.4241, 0.2645, 0.2175



39.4241, 0.3963, 0.2767



39.4241, 0.3455, 0.4755



39.4241, 0.2281, 0.3858

# Sweetspot

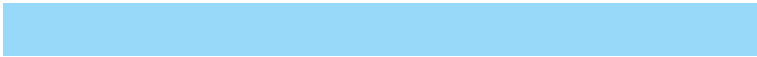
The Sweet Spot groups the original color and five complimentary colors.



39.4256, 0.2645, 0.2175



78.3423, 0.3003, 0.2980



62.5646, 0.2532, 0.2910



16.3079, 0.2988, 0.2944



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.



39.4256, 0.2645, 0.2175



34.6388, 0.2528, 0.1938



46.3883, 0.3037, 0.2292



16.9243, 0.3031, 0.3048



4.7165, 0.1744, 0.0735



0.4922, 0.1872, 0.0805



# Inverse Universe

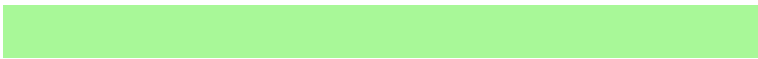
The Inverse Universe completely reimagines the original color for something new.



47.3681, 0.3453, 0.2624



44.3018, 0.3539, 0.2502



77.7288, 0.3167, 0.4444



17.4203, 0.3189, 0.3133



12.2802, 0.4277, 0.2130

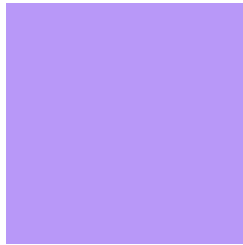


1.1570, 0.4116, 0.2041



# Previews

## White Background



This preview shows how the Yxy color 39.4241, 0.2645, 0.2175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

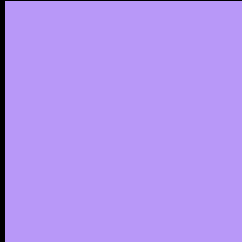
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4241, 0.2645, 0.2175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

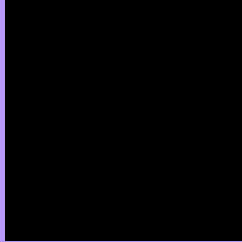
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4241, 0.2645, 0.2175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4241, 0.2645, 0.2175.



This preview shows how white text looks on a background with the Yxy color 39.4241, 0.2645, 0.2175.

# 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

39.4241, 0.2645, 0.2175

### Protanopia

39.8108, 0.2309, 0.2189

### Deuteranopia

39.6333, 0.2367, 0.2300



## Tritanopia

39.2257, 0.3054, 0.3098

# Trichromacy



**Original Color**

39.4241, 0.2645, 0.2175

**Protanomaly**

39.3880, 0.2419, 0.2183

**Deuteranomaly**

39.4630, 0.2460, 0.2254

**Tritanomaly**

39.1276, 0.2895, 0.2719

# Monochromacy



**Original Color**

39.4241, 0.2645, 0.2175

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

40.4275, 0.2945, 0.2834

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4241, 0.2645, 0.2175 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(184, 152, 248)` looks like.

```
.text, #text, p{  
    color:rgb(184, 152, 248)  
}
```

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(184, 152, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 152, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4241, 0.2645, 0.2175 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(184, 152, 248) }
```

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

```
.border{ border-color:rgb(184, 152, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 152, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 152, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 152, 248);  
box-shadow:4px 4px 4px 4px rgb(184, 152,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4241, 0.2645, 0.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 152, 248) }
```

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

```
.background{ background-color: rgb(184,  
152, 248) }
```

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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