

# Converting Colors

$Y_{xy}(39.2351, 0.2551, 0.2065)$

Have a look what the booklet for  
Yxy(39.2351, 0.2551, 0.2065)  
contains.

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# Color

**Yxy(39.0565, 0.2569, 0.2093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B497FF
RGB	180, 151, 255
RGB Percent	71%, 59%, 100%
CMY	0.2941, 0.4078, 0.0000
CMYK	0.29, 0.41, 0.00, 0.00
HSL	257°, 100%, 80%
HSV	257°, 41%, 100%
XYZ	47.9389, 39.0565, 99.6099
YIQ	171.5270, -16.1000, 38.4920

# Conversions

## Conversions Part 2

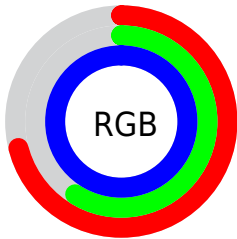
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 151, 255
Decimal	11835391
CIE <sub>Lab</sub>	68.79, 32.52, -47.96
CIE <sub>LCh</sub>	69, 57.945, 304.140
Yxy	39.0565, 0.2569, 0.2093
Android (android.graphics.Color)	4290025471 (0xFFB497FF)
YUV	171.5270, 41.1522, 7.4308
Hunter-Lab	62.4952, 27.5575, -50.7546

# Details

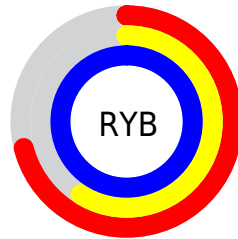
The Yxy color **39.0565, 0.2569, 0.2093** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.9131, 0.3539, 0.4377**, and the grayscale version is **40.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5398, 0.3028, 0.2793**, and **17.4766, 0.2399, 0.1818** is the 20% darker color. If you saturate the color by 10%, you get **29.6566, 0.2395, 0.1764**, and if you desaturate by 10%, it is **50.5268, 0.2731, 0.2418**.

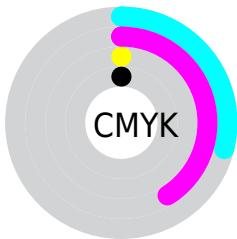
# Distribution



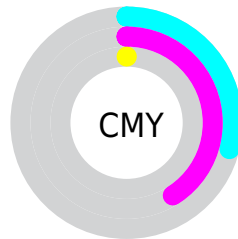
- Red (71%)
- Green (59%)
- Blue (100%)



- Red (71%)
- Yellow (59%)
- Blue (100%)



- Cyan (29%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (41%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0565, 0.2569, 0.2093 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 39.0565, 0.2569, 0.2093 by changing the saturation by 10% instead.





 39.0565, 0.2569,  
0.2093


 39.0565, 0.2569,  
0.2093


342.1306, 0.2858,  
0.2649

 26.8037, 0.2496,  
0.1969


 73.7246, 0.2675,  
0.2285

 17.4258, 0.2404,  
0.1817


 96.9087, 0.2715,  
0.2360

 10.5386, 0.2283,  
0.1631


124.5054, 0.2748,  
0.2424

 5.7575, 0.2119,  
0.1398

156.8990, 0.2777,  
0.2481

 2.6982, 0.1891,  
0.1104

194.4739, 0.2801,  
0.2531

 0.9763, 0.1561,  
0.0740

237.6145, 0.2823,

 0.0000, 0.1100,

0.2575

0.0000


286.7053, 0.2842,  
0.2614


 0.0000, 0.0000,  
0.0000


 39.0565, 0.2569,  
0.2093


 39.0565, 0.2569,  
0.2093


 29.6566, 0.2395,  
0.1764


 50.5268, 0.2731,  
0.2418


 22.1957, 0.2217,  
0.1448


 64.1789, 0.2878,  
0.2727


 16.5337, 0.2043,  
0.1166

 80.1217, 0.3007,  
0.3013

 12.5095, 0.1886,  
0.0938

 98.4554, 0.3119,  
0.3271

 9.9313, 0.1754,  
0.0778

 99.9993, 0.3127,  
0.3290

■ 8.5640, 0.1661,  
0.0689

# Harmonies

## Analogous

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



39.0565, 0.1990, 0.2024



39.0565, 0.2569, 0.2093



39.0565, 0.3397, 0.2395

# Triad

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



39.0565, 0.2569, 0.2093



39.0565, 0.4738, 0.4079



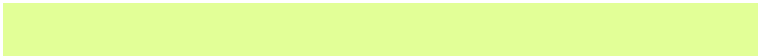
39.0565, 0.2061, 0.3634

# Complementary

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



39.0565, 0.2569, 0.2093



89.9131, 0.3539, 0.4377

# 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.



39.0565, 0.2704, 0.4515



39.0565, 0.2569, 0.2093



39.0565, 0.4253, 0.4632

# Square

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



39.0565, 0.2569, 0.2093



39.0565, 0.4765, 0.3463



39.0565, 0.3507, 0.4880



39.0565, 0.1725, 0.2768



# Rectangle

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



39.0565, 0.2569, 0.2093



39.0565, 0.3985, 0.2702



39.0565, 0.3507, 0.4880



39.0565, 0.2245, 0.3953

# Sweetspot

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



39.0580, 0.2569, 0.2093



78.0595, 0.2992, 0.2979



68.8790, 0.2515, 0.2968



16.2416, 0.2976, 0.2943



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.



39.0580, 0.2569, 0.2093



31.1880, 0.2427, 0.1822



46.2966, 0.2972, 0.2220



17.6230, 0.3022, 0.3047



4.5391, 0.1675, 0.0696



0.4939, 0.1789, 0.0759



# Inverse Universe

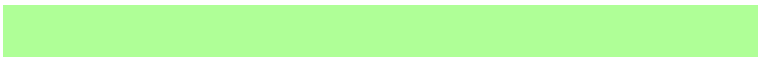
The Inverse Universe completely reimagines the original color for something new.



48.8818, 0.3425, 0.2535



42.4134, 0.3506, 0.2392



82.8923, 0.3209, 0.4502



18.2088, 0.3181, 0.3120



12.9408, 0.4070, 0.2016

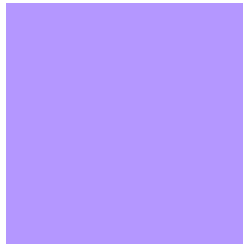


1.2786, 0.3949, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 39.0565, 0.2569, 0.2093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

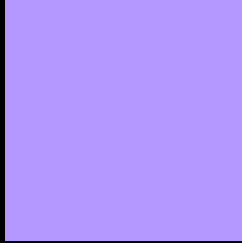
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.0565, 0.2569, 0.2093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

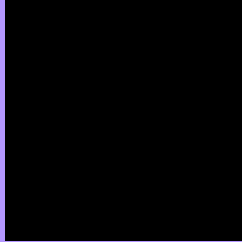
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.0565, 0.2569, 0.2093**

## Background



This preview shows how black text looks on a background with the Yxy color 39.0565, 0.2569, 0.2093.



This preview shows how white text looks on a background with the Yxy color 39.0565, 0.2569, 0.2093.

# 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

39.0565, 0.2569, 0.2093

### Protanopia

39.3645, 0.2301, 0.2174

### Deuteranopia

39.3328, 0.2281, 0.2218



## Tritanopia

38.9321, 0.3001, 0.3109

# Trichromacy



**Original Color**

39.0565, 0.2569, 0.2093

**Protanomaly**

39.0370, 0.2388, 0.2140

**Deuteranomaly**

38.8775, 0.2375, 0.2163

**Tritanomaly**

38.5408, 0.2829, 0.2687

# Monochromacy



**Original Color**

39.0565, 0.2569, 0.2093

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

39.9291, 0.2911, 0.2794

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  39.0565, 0.2569, 0.2093 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, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 151, 255)  
}
```

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, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 151, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0565, 0.2569, 0.2093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

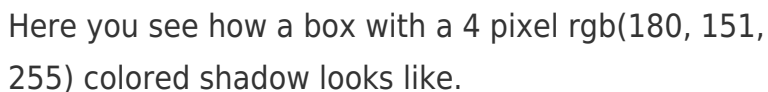
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 151, 255) }
```

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

```
.border{ border-color:rgb(180, 151, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 151,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0565, 0.2569, 0.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 151, 255) }
```

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

```
.background{ background-color: rgb(180,  
151, 255) }
```

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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