

# Converting Colors

Yxy(51.5854, 0.2468, 0.2089)

Have a look what the booklet for  
Yxy(51.5854, 0.2468, 0.2089)  
contains.

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# Color

**Yxy(49.0895, 0.2663, 0.2396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB0FF
RGB	189, 176, 255
RGB Percent	74%, 69%, 100%
CMY	0.2589, 0.3098, 0.0000
CMYK	0.26, 0.31, 0.00, 0.00
HSL	250°, 100%, 85%
HSV	250°, 31%, 100%
XYZ	54.5598, 49.0895, 101.2317
YIQ	188.8930, -17.6110, 27.3250

# Conversions

## Conversions Part 2

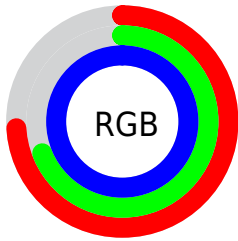
Format	Color
R <sub>YB</sub>	189, 176, 255
Decimal	12431615
CIE Lab	75.51, 21.12, -37.43
CIE LCh	76, 42.975, 299.428
Yxy	49.0895, 0.2663, 0.2396
Android (android.graphics.Color)	4290621695 (0xFFBDB0FF)
YUV	188.8930, 32.5908, 0.0938
Hunter-Lab	70.0639, 16.3888, -36.6203

# Details

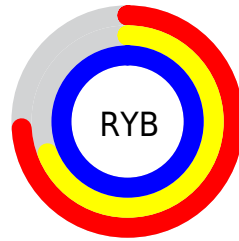
The Yxy color **49.0895, 0.2663, 0.2396** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.5385, 0.3508, 0.4091**, and the grayscale version is **50.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5261, 0.3078, 0.3064**, and **23.3115, 0.2535, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **37.4828, 0.2478, 0.2059**, and if you desaturate by 10%, it is **62.9749, 0.2833, 0.2715**.

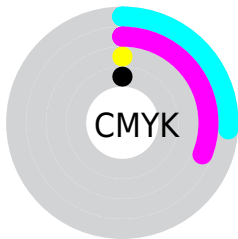
# Distribution



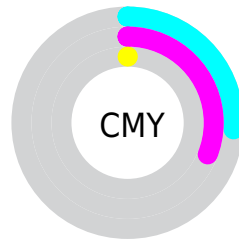
- Red (74%)
- Green (69%)
- Blue (100%)



- Red (74%)
- Yellow (69%)
- Blue (100%)



- Cyan (26%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (31%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0895, 0.2663, 0.2396 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 49.0895, 0.2663, 0.2396 by changing the saturation by 10% instead.




 49.0895, 0.2663,  
0.2396

 49.0895, 0.2663,  
0.2396

383.0946, 0.2894,  
0.2811

 34.6905, 0.2607,  
0.2302


 88.8244, 0.2746,  
0.2539

 23.4245, 0.2536,  
0.2187


114.9290, 0.2777,  
0.2595

 14.9073, 0.2445,  
0.2044


145.7043, 0.2804,  
0.2644

 8.7544, 0.2322,  
0.1860

181.5347, 0.2827,  
0.2686

 4.5813, 0.2151,  
0.1619

222.8045, 0.2847,  
0.2723

 2.0038, 0.1901,  
0.1297

269.8981, 0.2865,

 0.6097, 0.1523,

0.2755

0.0828

323.2000, 0.2880,  
0.2785

0.0000, 0.0164,  
0.0000

0.0000, 0.0000,  
0.0000

49.0895, 0.2663,  
0.2396

49.0895, 0.2663,  
0.2396

37.4828, 0.2478,  
0.2059

62.9749, 0.2833,  
0.2715

28.0320, 0.2283,  
0.1716

79.2524, 0.2984,  
0.3006

20.6025, 0.2088,  
0.1387

98.0280, 0.3115,  
0.3266

15.0447, 0.1906,  
0.1095

100.0000, 0.3127,  
0.3290

■ 11.1876, 0.1750,  
0.0865

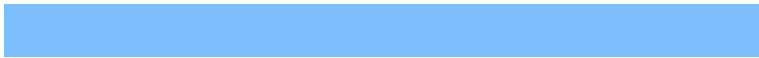
■ 8.8279, 0.1631,  
0.0710

■ 7.7091, 0.1560,  
0.0633

# Harmonies

## Analogous

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



49.0895, 0.2261, 0.2386



49.0895, 0.2663, 0.2396



49.0895, 0.3230, 0.2597

# Triad

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



49.0895, 0.2663, 0.2396



49.0895, 0.4288, 0.3838



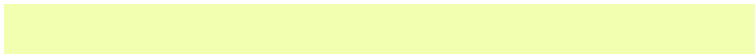
49.0895, 0.2443, 0.3633

# Complementary

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



49.0895, 0.2663, 0.2396



93.5385, 0.3508, 0.4091

# 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.



49.0895, 0.2943, 0.4161



49.0895, 0.2663, 0.2396



49.0895, 0.4018, 0.4214

# Square

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



49.0895, 0.2663, 0.2396



49.0895, 0.4222, 0.3384



49.0895, 0.3520, 0.4369



49.0895, 0.2141, 0.3038



# Rectangle

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



49.0895, 0.2663, 0.2396



49.0895, 0.3633, 0.2817



49.0895, 0.3520, 0.4369



49.0895, 0.2592, 0.3831

# Sweetspot

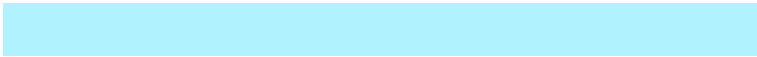
The Sweet Spot groups the original color and five complimentary colors.



49.0895, 0.2663, 0.2396



82.7629, 0.3011, 0.3060



80.6429, 0.2666, 0.3159



17.1596, 0.2991, 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.



49.0895, 0.2663, 0.2396



41.8335, 0.2553, 0.2195



54.6625, 0.2948, 0.2465



17.5209, 0.3004, 0.3046



4.0700, 0.1569, 0.0638



0.4349, 0.1659, 0.0687



# Inverse Universe

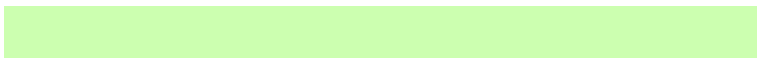
The Inverse Universe completely reimagines the original color for something new.



58.7271, 0.3264, 0.2633



52.8900, 0.3297, 0.2506



87.4437, 0.3254, 0.4160



18.2461, 0.3163, 0.3094



13.6420, 0.3674, 0.1798

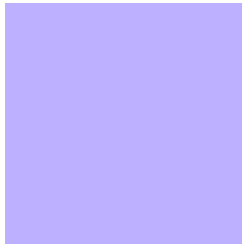


1.3413, 0.3612, 0.1764



# Previews

## White Background



This preview shows how the Yxy color 49.0895, 0.2663, 0.2396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

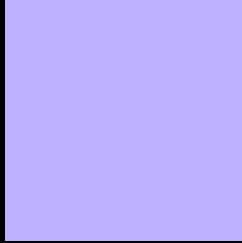
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0895, 0.2663, 0.2396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

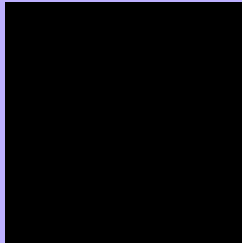
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0895, 0.2663, 0.2396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0895, 0.2663, 0.2396.



This preview shows how white text looks on a background with the Yxy color 49.0895, 0.2663, 0.2396.

# 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

49.0895, 0.2663, 0.2396

### Protanopia

49.5003, 0.2514, 0.2454

### Deuteranopia

49.0658, 0.2530, 0.2463



## Tritanopia

48.9186, 0.2958, 0.3099

# Trichromacy



**Original Color**

49.0895, 0.2663, 0.2396

**Protanomaly**

49.2664, 0.2567, 0.2431

**Deuteranomaly**

48.7969, 0.2571, 0.2429

**Tritanomaly**

48.7436, 0.2846, 0.2813

# Monochromacy



**Original Color**

49.0895, 0.2663, 0.2396

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

49.9039, 0.2950, 0.2936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0895, 0.2663, 0.2396 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(189, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 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(189, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0895, 0.2663, 0.2396 is called "border". The border property can be set on classes, ids or directly on the HTML element.

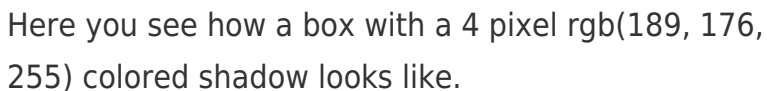
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 176, 255) }
```

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

```
.border{ border-color:rgb(189, 176, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0895, 0.2663, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 255) }
```

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

```
.background{ background-color: rgb(189,  
176, 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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