

# Converting Colors

Yxy(39.5357, 0.2844, 0.2559)

Have a look what the booklet for  
Yxy(39.5357, 0.2844, 0.2559)  
contains.

<b>Yxy(39.6298, 0.2845, 0.2564)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.6298, 0.2845, 0.2564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B59FD9
RGB	181, 159, 217
RGB Percent	71%, 62%, 85%
CMY	0.2903, 0.3764, 0.1491
CMYK	0.17, 0.27, 0.00, 0.15
HSL	263°, 43%, 74%
HSV	263°, 27%, 85%
XYZ	43.9730, 39.6298, 70.9596
YIQ	172.1900, -5.5060, 22.7020

# Conversions

## Conversions Part 2

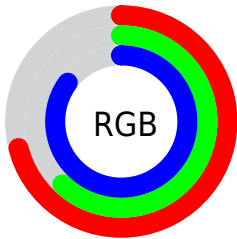
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 159, 217
Decimal	11902937
CIE <sub>Lab</sub>	69.21, 19.45, -26.49
CIE <sub>LCh</sub>	69, 32.865, 306.280
Yxy	39.6298, 0.2845, 0.2564
Android (android.graphics.Color)	4290093017 (0xFFB59FD9)
YUV	172.1900, 22.0913, 7.7264
Hunter-Lab	62.9522, 14.5184, -22.7650

# Details

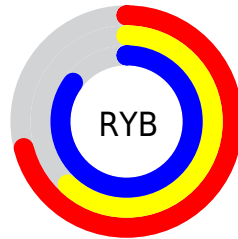
The Yxy color **39.6298, 0.2845, 0.2564** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.7190, 0.3357, 0.3993**, and the grayscale version is **41.2441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3177, 0.3020, 0.2875**, and **17.6361, 0.2750, 0.2362** is the 20% darker color. If you saturate the color by 10%, you get **31.2613, 0.2712, 0.2257**, and if you desaturate by 10%, it is **49.4689, 0.2963, 0.2855**.

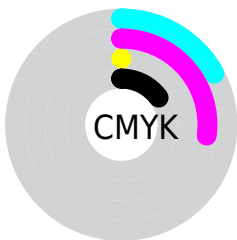
# Distribution



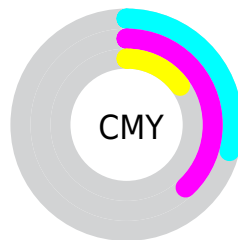
- Red (71%)
- Green (62%)
- Blue (85%)



- Red (71%)
- Yellow (62%)
- Blue (85%)



- Cyan (17%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)




- Cyan (29%)
- Magenta (38%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6298, 0.2845, 0.2564 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 39.6298, 0.2845, 0.2564 by changing the saturation by 10% instead.





 39.6298, 0.2845,  
0.2564


 39.6298, 0.2845,  
0.2564

344.5608, 0.2993,  
0.2918

 27.2500, 0.2806,  
0.2479


 74.5995, 0.2900,  
0.2690

 17.7611, 0.2756,  
0.2372


 97.9581, 0.2921,  
0.2738

 10.7786, 0.2687,  
0.2233


125.7452, 0.2938,  
0.2779

 5.9182, 0.2589,  
0.2048

158.3451, 0.2952,  
0.2815

 2.7954, 0.2440,  
0.1788

196.1422, 0.2965,  
0.2846

 1.0259, 0.2194,  
0.1409

239.5209, 0.2975,

 0.0000, 0.1640,

0.2873

0.0000

288.8657, 0.2985,  
0.2897

0.0000, 0.0000,  
0.0000

39.6298, 0.2845,  
0.2564

39.6298, 0.2845,  
0.2564

31.2613, 0.2712,  
0.2257

49.4689, 0.2963,  
0.2855

24.2855, 0.2565,  
0.1943

60.8413, 0.3066,  
0.3123

18.6248, 0.2410,  
0.1636

73.8123, 0.3155,  
0.3367

14.1916, 0.2251,  
0.1352

88.4415, 0.3230,  
0.3587

10.8871, 0.2097,  
0.1110

96.5485, 0.3308,  
0.3666

■ 8.5968, 0.1957,  
0.0923

■ 97.7884, 0.3352,  
0.3661

■ 7.1741, 0.1837,  
0.0799

■ 6.8136, 0.1802,  
0.0766

# Harmonies

## Analogous

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



39.6298, 0.2467, 0.2521



39.6298, 0.2845, 0.2564



39.6298, 0.3331, 0.2767

# Triad

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



39.6298, 0.2845, 0.2564



39.6298, 0.4058, 0.3840



39.6298, 0.2487, 0.3461

# Complementary

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



39.6298, 0.2845, 0.2564



63.7190, 0.3357, 0.3993

# 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.



39.6298, 0.2877, 0.3912



39.6298, 0.2845, 0.2564



39.6298, 0.3790, 0.4107

# Square

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



39.6298, 0.2845, 0.2564



39.6298, 0.4064, 0.3469



39.6298, 0.3354, 0.4155



39.6298, 0.2273, 0.2994



# Rectangle

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



39.6298, 0.2845, 0.2564



39.6298, 0.3650, 0.2971



39.6298, 0.3354, 0.4155



39.6298, 0.2601, 0.3623

# Sweetspot

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



39.6314, 0.2845, 0.2564



85.3441, 0.3053, 0.3088



51.7355, 0.2713, 0.3018



17.7132, 0.3038, 0.3048



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.



39.6314, 0.2845, 0.2564



50.1453, 0.2772, 0.2394



43.4007, 0.3090, 0.2615



12.8565, 0.3040, 0.3052



4.1816, 0.1816, 0.0774



0.3194, 0.2001, 0.0876



# Inverse Universe

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



43.4891, 0.3353, 0.2867



56.6862, 0.3414, 0.2775



60.3039, 0.3146, 0.4041



13.1868, 0.3195, 0.3146



10.0055, 0.4448, 0.2224

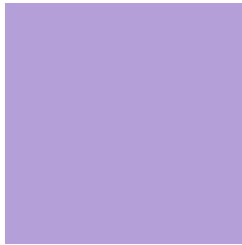


0.6648, 0.4193, 0.2083



# Previews

## White Background



This preview shows how the Yxy color 39.6298, 0.2845, 0.2564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

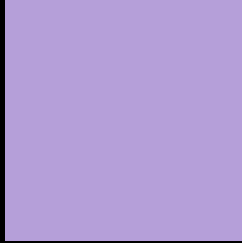
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.6298, 0.2845, 0.2564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

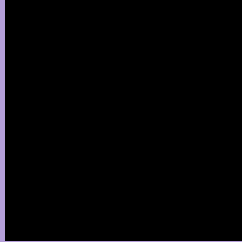
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.6298, 0.2845, 0.2564**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.6298, 0.2845, 0.2564.



This preview shows how white text looks on a background with the Yxy color 39.6298, 0.2845, 0.2564.

# 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

39.6298, 0.2845, 0.2564

### Protanopia

39.8352, 0.2599, 0.2559

### Deuteranopia

39.8074, 0.2697, 0.2636



## Tritanopia

39.6411, 0.3099, 0.3114

# Trichromacy



## Original Color

39.6298, 0.2845, 0.2564

## Protanomaly

39.6639, 0.2683, 0.2556

## Deuteranomaly

39.4771, 0.2748, 0.2606

## Tritanomaly

39.3918, 0.3001, 0.2893

# Monochromacy



## Original Color

39.6298, 0.2845, 0.2564

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.3822, 0.3024, 0.3009

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6298, 0.2845, 0.2564 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(181, 159, 217)` looks like.

```
.text, #text, p{  
    color:rgb(181, 159, 217)  
}
```

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(181, 159, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 159, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6298, 0.2845, 0.2564 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(181, 159, 217) }
```

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

```
.border{ border-color:rgb(181, 159, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 159, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 159, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 159, 217);  
box-shadow:4px 4px 4px 4px rgb(181, 159,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6298, 0.2845, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 159, 217) }
```

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

```
.background{ background-color: rgb(181,  
159, 217) }
```

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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