

# Converting Colors

$Yxy(38.9627, 0.2990, 0.2825)$

Have a look what the booklet for  
Yxy(38.9627, 0.2990, 0.2825)  
contains.

<b>Yxy(39.0590, 0.2994, 0.2831)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.0590, 0.2994, 0.2831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A1C4
RGB	179, 161, 196
RGB Percent	70%, 63%, 77%
CMY	0.2979, 0.3687, 0.2313
CMYK	0.09, 0.18, 0.00, 0.23
HSL	271°, 23%, 70%
HSV	271°, 18%, 77%
XYZ	41.3079, 39.0590, 57.6020
YIQ	170.3720, -0.5070, 14.7010

# Conversions

## Conversions Part 2

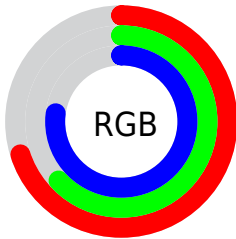
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 161, 196
Decimal	11772356
CIE <sub>Lab</sub>	68.79, 13.24, -15.56
CIE <sub>LCh</sub>	69, 20.431, 310.405
Yxy	39.0590, 0.2994, 0.2831
Android (android.graphics.Color)	4289962436 (0xFFB3A1C4)
YUV	170.3720, 12.6346, 7.5668
Hunter-Lab	62.4972, 8.6105, -10.8980

# Details

The Yxy color **39.0590, 0.2994, 0.2831** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.5269, 0.3242, 0.3751**, and the grayscale version is **40.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8658, 0.3019, 0.2913**, and **17.3259, 0.2952, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **31.6447, 0.2902, 0.2550**, and if you desaturate by 10%, it is **47.6287, 0.3073, 0.3096**.

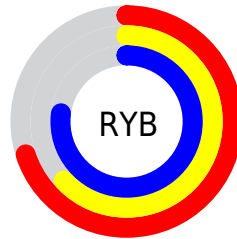
# Distribution



Red (70%)

Green (63%)

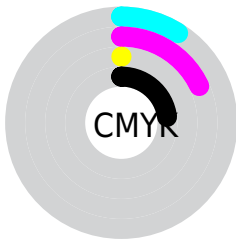
Blue (77%)



Red (70%)

Yellow (63%)

Blue (77%)

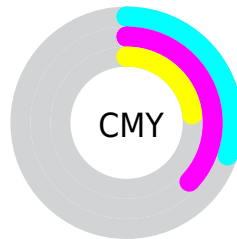


Cyan (9%)

Magenta (18%)

Yellow (0%)

Black (23%)



Cyan (30%)

Magenta (37%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0590, 0.2994, 0.2831 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 39.0590, 0.2994, 0.2831 by changing the saturation by 10% instead.



 39.0590, 0.2994,  
0.2831


 39.0590, 0.2994,  
0.2831


342.1413, 0.3065,  
0.3060

 26.8056, 0.2975,  
0.2774


 73.7284, 0.3021,  
0.2914

 17.4273, 0.2950,  
0.2701


 96.9133, 0.3030,  
0.2945

 10.5396, 0.2916,  
0.2604


124.5108, 0.3038,  
0.2972

 5.7582, 0.2865,  
0.2470

156.9053, 0.3045,  
0.2995

 2.6986, 0.2785,  
0.2273

194.4812, 0.3051,  
0.3014

 0.9765, 0.2640,  
0.1956

237.6229, 0.3056,


 0.0000, 0.1725,


0.3031

0.0000


286.7148, 0.3061,  
0.3047


 0.0000, 0.0000,  
0.0000


 39.0590, 0.2994,  
0.2831


 39.0590, 0.2994,  
0.2831


 31.6447, 0.2902,  
0.2550


 47.6287, 0.3073,  
0.3096


 25.3293, 0.2799,  
0.2257


 57.3971, 0.3141,  
0.3340

 20.0591, 0.2684,  
0.1964

 68.4110, 0.3197,  
0.3563

 15.7735, 0.2560,  
0.1681

 80.7136, 0.3245,  
0.3764

 12.4058, 0.2432,  
0.1424

 91.7660, 0.3289,  
0.3906

■ 9.8804, 0.2304,  
0.1206

■ 93.3503, 0.3351,  
0.3894

■ 8.1089, 0.2183,  
0.1039

■ 95.0213, 0.3415,  
0.3882

■ 6.9612, 0.2072,  
0.0924

■ 96.7668, 0.3478,  
0.3870

■ 6.7527, 0.2049,  
0.0903

# Harmonies

## Analogous

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



39.0590, 0.2735, 0.2792



39.0590, 0.2994, 0.2831



39.0590, 0.3302, 0.2978

# Triad

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



39.0590, 0.2994, 0.2831



39.0590, 0.3698, 0.3679



39.0590, 0.2696, 0.3361

# Complementary

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



39.0590, 0.2994, 0.2831



51.5269, 0.3242, 0.3751

# 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.



39.0590, 0.2938, 0.3635



39.0590, 0.2994, 0.2831



39.0590, 0.3518, 0.3816

# Square

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



39.0590, 0.2994, 0.2831



39.0590, 0.3719, 0.3453



39.0590, 0.3238, 0.3806



39.0590, 0.2569, 0.3080



# Rectangle

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



39.0590, 0.2994, 0.2831



39.0590, 0.3492, 0.3121



39.0590, 0.3238, 0.3806



39.0590, 0.2766, 0.3458

# Sweetspot

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



39.0607, 0.2994, 0.2831



90.9796, 0.3093, 0.3166



43.6057, 0.2849, 0.3054



19.2118, 0.3088, 0.3148



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.



39.0607, 0.2994, 0.2831



65.8676, 0.2964, 0.2735



41.2117, 0.3148, 0.2852



9.9974, 0.3062, 0.3058



4.3891, 0.2063, 0.0910



0.2305, 0.2307, 0.1044



# Inverse Universe

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



40.4383, 0.3309, 0.3073



68.8123, 0.3352, 0.3029



49.6406, 0.3105, 0.3771



10.1574, 0.3215, 0.3179



8.0892, 0.5001, 0.2528

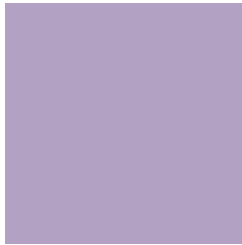


0.3634, 0.4497, 0.2251



# Previews

## White Background



This preview shows how the Yxy color 39.0590, 0.2994, 0.2831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

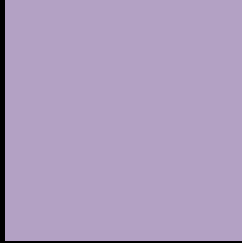
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.0590, 0.2994, 0.2831 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

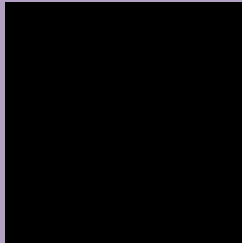
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.0590, 0.2994, 0.2831**

## Background



This preview shows how black text looks on a background with the Yxy color 39.0590, 0.2994, 0.2831.



This preview shows how white text looks on a background with the Yxy color 39.0590, 0.2994, 0.2831.

# 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

39.0590, 0.2994, 0.2831

### Protanopia

39.0196, 0.2810, 0.2829

### Deuteranopia

39.1490, 0.2932, 0.2875



## Tritanopia

38.9554, 0.3126, 0.3113

# Trichromacy



## Original Color

39.0590, 0.2994, 0.2831

## Protanomaly

38.9993, 0.2875, 0.2822

## Deuteranomaly

39.1332, 0.2958, 0.2865

## Tritanomaly

39.0022, 0.3076, 0.3008

# Monochromacy



## Original Color

39.0590, 0.2994, 0.2831

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.7763, 0.3080, 0.3126

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0590, 0.2994, 0.2831 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(179, 161, 196)` looks like.

```
.text, #text, p{  
    color:rgb(179, 161, 196)  
}
```

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(179, 161, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 161, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0590, 0.2994, 0.2831 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(179, 161, 196) }
```

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

```
.border{ border-color:rgb(179, 161, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 161, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 161, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 161, 196);  
box-shadow:4px 4px 4px 4px rgb(179, 161,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0590, 0.2994, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 161, 196) }
```

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

```
.background{ background-color: rgb(179,  
161, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor