

# Converting Colors

$Y_{xy}(39.2262, 0.2996, 0.2850)$

Have a look what the booklet for  
Yxy(39.2262, 0.2996, 0.2850)  
contains.

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# Color

**Yxy(39.3645, 0.3002, 0.2857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A2C3
RGB	179, 162, 195
RGB Percent	70%, 64%, 76%
CMY	0.2980, 0.3647, 0.2352
CMYK	0.08, 0.17, 0.00, 0.24
HSL	271°, 22%, 70%
HSV	271°, 17%, 76%
XYZ	41.3623, 39.3645, 57.0558
YIQ	170.8450, -0.4610, 13.8670

# Conversions

## Conversions Part 2

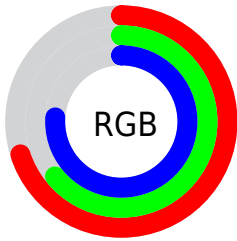
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 162, 195
Decimal	11772611
CIE <sub>Lab</sub>	69.01, 12.46, -14.66
CIE <sub>LCh</sub>	69, 19.243, 310.351
Yxy	39.3645, 0.3002, 0.2857
Android (android.graphics.Color)	4289962691 (0xFFB3A2C3)
YUV	170.8450, 11.9084, 7.1519
Hunter-Lab	62.7411, 7.8799, -9.9986

# Details

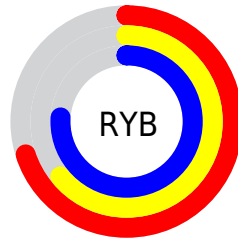
The Yxy color **39.3645, 0.3002, 0.2857** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.1121, 0.3236, 0.3725**, and the grayscale version is **40.5834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3162, 0.3025, 0.2933**, and **17.5106, 0.2963, 0.2733** is the 20% darker color. If you saturate the color by 10%, you get **31.9313, 0.2912, 0.2577**, and if you desaturate by 10%, it is **47.9438, 0.3080, 0.3120**.

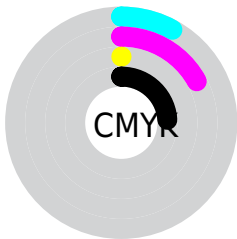
# Distribution



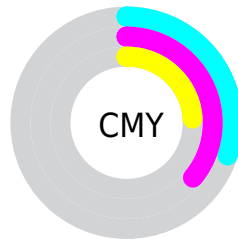
- Red (70%)
- Green (64%)
- Blue (76%)



- Red (70%)
- Yellow (64%)
- Blue (76%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)



- Cyan (30%)
- Magenta (36%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3645, 0.3002, 0.2857 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 39.3645, 0.3002, 0.2857 by changing the saturation by 10% instead.





 39.3645, 0.3002,  
0.2857


 39.3645, 0.3002,  
0.2857


343.4377, 0.3068,  
0.3073

 27.0434, 0.2984,  
0.2803


 74.1948, 0.3027,  
0.2936

 17.6058, 0.2961,  
0.2734


 97.4728, 0.3036,  
0.2965

 10.6674, 0.2929,  
0.2643

125.1719, 0.3044,  
0.2990

 5.8436, 0.2882,  
0.2515

157.6765, 0.3050,  
0.3011

 2.7502, 0.2807,  
0.2327

195.3710, 0.3056,  
0.3030

 1.0028, 0.2671,  
0.2025

238.6398, 0.3060,

 0.0000, 0.1811,

0.3046

0.0000

287.8672, 0.3065,  
0.3061

■ 0.0000, 0.0000,  
0.0000

■ 39.3645, 0.3002,  
0.2857

■ 39.3645, 0.3002,  
0.2857

■ 31.9313, 0.2912,  
0.2577

■ 47.9438, 0.3080,  
0.3120

■ 25.5888, 0.2809,  
0.2286

■ 57.7114, 0.3146,  
0.3362

■ 20.2841, 0.2695,  
0.1992

■ 68.7136, 0.3202,  
0.3583

■ 15.9581, 0.2572,  
0.1708

■ 80.9926, 0.3249,  
0.3782

■ 12.5456, 0.2444,  
0.1447

■ 91.6777, 0.3293,  
0.3918

■ 9.9727, 0.2316,  
0.1225

■ 93.2520, 0.3355,  
0.3905

■ 8.1540, 0.2194,  
0.1053

■ 94.9121, 0.3418,  
0.3893

■ 6.9739, 0.2082,  
0.0934

■ 96.6591, 0.3482,  
0.3880

■ 6.6743, 0.2049,  
0.0902

■ 96.7208, 0.3484,  
0.3880

# Harmonies

## Analogous

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



39.3645, 0.2758, 0.2821



39.3645, 0.3002, 0.2857



39.3645, 0.3291, 0.2996

# Triad

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



39.3645, 0.3002, 0.2857



39.3645, 0.3663, 0.3657



39.3645, 0.2722, 0.3358

# Complementary

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



39.3645, 0.3002, 0.2857



51.1121, 0.3236, 0.3725

# 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.



39.3645, 0.2950, 0.3614



39.3645, 0.3002, 0.2857



39.3645, 0.3495, 0.3784

# Square

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



39.3645, 0.3002, 0.2857



39.3645, 0.3683, 0.3444



39.3645, 0.3233, 0.3773



39.3645, 0.2602, 0.3094



# Rectangle

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



39.3645, 0.3002, 0.2857



39.3645, 0.3469, 0.3130



39.3645, 0.3233, 0.3773



39.3645, 0.2788, 0.3448

# Sweetspot

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



39.3662, 0.3002, 0.2857



88.9276, 0.3093, 0.3166



43.6659, 0.2864, 0.3067



19.2117, 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.



39.3662, 0.3002, 0.2857



65.7666, 0.2973, 0.2764



41.3862, 0.3147, 0.2876



9.9973, 0.3062, 0.3058



4.3875, 0.2063, 0.0910



0.2305, 0.2306, 0.1044



# Inverse Universe

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



40.6604, 0.3298, 0.3085



68.5176, 0.3339, 0.3042



49.3270, 0.3106, 0.3742



10.1575, 0.3215, 0.3179



8.0897, 0.5000, 0.2528

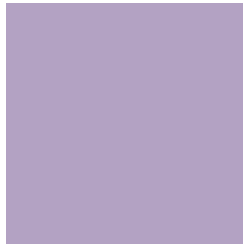


0.3635, 0.4497, 0.2251



# Previews

## White Background



This preview shows how the Yxy color 39.3645, 0.3002, 0.2857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

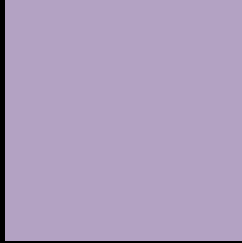
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.3645, 0.3002, 0.2857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

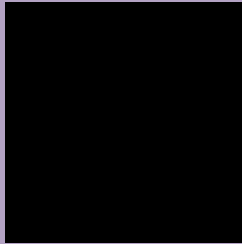
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.3645, 0.3002, 0.2857**

## Background



This preview shows how black text looks on a background with the Yxy color 39.3645, 0.3002, 0.2857.



This preview shows how white text looks on a background with the Yxy color 39.3645, 0.3002, 0.2857.

# 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

39.3645, 0.3002, 0.2857

### Protanopia

39.3960, 0.2834, 0.2870

### Deuteranopia

39.2617, 0.2941, 0.2876



## Tritanopia

39.3547, 0.3117, 0.3114

# Trichromacy



## Original Color

39.3645, 0.3002, 0.2857

## Protanomaly

39.2663, 0.2891, 0.2861

## Deuteranomaly

39.2485, 0.2967, 0.2866

## Tritanomaly

39.3587, 0.3076, 0.3022

# Monochromacy



## Original Color

39.3645, 0.3002, 0.2857

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.2992, 0.3081, 0.3127

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.3645, 0.3002, 0.2857 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, 162, 195)` looks like.

```
.text, #text, p{  
    color:rgb(179, 162, 195)  
}
```

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, 162, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 162, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3645, 0.3002, 0.2857 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, 162, 195) }
```

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

```
.border{ border-color:rgb(179, 162, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 162, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 162, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 162, 195);  
box-shadow:4px 4px 4px 4px rgb(179, 162,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3645, 0.3002, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 162, 195) }
```

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

```
.background{ background-color: rgb(179,  
162, 195) }
```

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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