

# Converting Colors

$Yxy(39.1553, 0.2940, 0.2924)$

Have a look what the booklet for  
Yxy(39.1553, 0.2940, 0.2924)  
contains.

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# Color

**Yxy(39.1511, 0.2939, 0.2925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9A5C0
RGB	169, 165, 192
RGB Percent	66%, 65%, 75%
CMY	0.3371, 0.3530, 0.2470
CMYK	0.12, 0.14, 0.00, 0.25
HSL	249°, 18%, 70%
HSV	249°, 14%, 75%
XYZ	39.3385, 39.1511, 55.3603
YIQ	169.2740, -6.2830, 9.2450

# Conversions

## Conversions Part 2

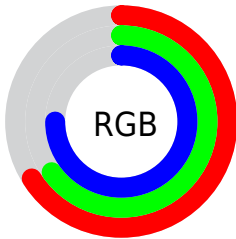
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 165, 192
Decimal	11118016
CIE Lab	68.86, 6.84, -13.32
CIE LCh	69, 14.970, 297.183
Yxy	39.1511, 0.2939, 0.2925
Android (android.graphics.Color)	4289308096 (0xFFA9A5C0)
YUV	169.2740, 11.2039, -0.2403
Hunter-Lab	62.5708, 2.7246, -8.6580

# Details

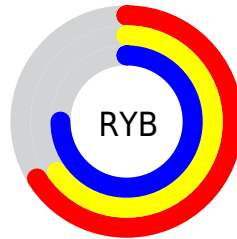
The Yxy color  $39.1511, 0.2939, 0.2925$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $51.1092, 0.3301, 0.3638$ , and the grayscale version is  $39.7680, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.8110, 0.2975, 0.2997$ , and  $17.4562, 0.2878, 0.2806$  is the 20% darker color. If you saturate the color by 10%, you get  $31.0436, 0.2783, 0.2630$ , and if you desaturate by 10%, it is  $48.5273, 0.3076, 0.3191$ .

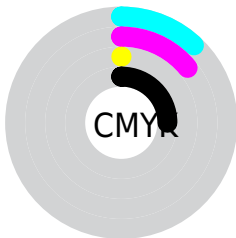
# Distribution



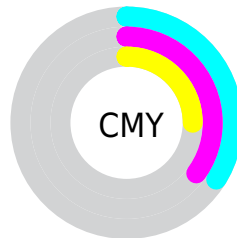
- Red (66%)
- Green (65%)
- Blue (75%)



- Red (66%)
- Yellow (65%)
- Blue (75%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)




- Cyan (34%)
- Magenta (35%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1511, 0.2939, 0.2925 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 39.1511, 0.2939, 0.2925 by changing the saturation by 10% instead.





 39.1511, 0.2939,  
0.2925


 39.1511, 0.2939,  
0.2925


342.5325, 0.3036,  
0.3109

 26.8773, 0.2914,  
0.2879


 73.8691, 0.2975,  
0.2992

 17.4811, 0.2880,  
0.2819


 97.0821, 0.2989,  
0.3018

 10.5781, 0.2835,  
0.2738


124.7102, 0.3000,  
0.3039

 5.7839, 0.2770,  
0.2626

157.1379, 0.3009,  
0.3057

 2.7141, 0.2668,  
0.2456

194.7496, 0.3018,  
0.3073

 0.9844, 0.2490,  
0.2176

237.9297, 0.3025,

 0.0000, 0.0560,

0.3086

0.0000

287.0625, 0.3031,  
0.3099

0.0000, 0.0000,  
0.0000

39.1511, 0.2939,  
0.2925

39.1511, 0.2939,  
0.2925

31.0436, 0.2783,  
0.2630

48.5273, 0.3076,  
0.3191

24.1455, 0.2609,  
0.2310

59.2184, 0.3196,  
0.3426

18.3998, 0.2421,  
0.1974

71.2743, 0.3298,  
0.3632

13.7432, 0.2226,  
0.1636

84.7410, 0.3386,  
0.3813

10.1063, 0.2035,  
0.1317

95.7749, 0.3473,  
0.3916

■ 7.4115, 0.1859,  
0.1040

■ 96.5864, 0.3502,  
0.3909

■ 5.5697, 0.1713,  
0.0826

■ 4.4746, 0.1605,  
0.0687

■ 4.0639, 0.1560,  
0.0633

# Harmonies

## Analogous

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



39.1511, 0.2776, 0.2939



39.1511, 0.2939, 0.2925



39.1511, 0.3157, 0.3001

# Triad

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



39.1511, 0.2939, 0.2925



39.1511, 0.3566, 0.3513



39.1511, 0.2881, 0.3435

# Complementary

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



39.1511, 0.2939, 0.2925



51.1092, 0.3301, 0.3638

# 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.



39.1511, 0.3086, 0.3606



39.1511, 0.2939, 0.2925



39.1511, 0.3485, 0.3644

# Square

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



39.1511, 0.2939, 0.2925



39.1511, 0.3526, 0.3332



39.1511, 0.3307, 0.3682



39.1511, 0.2744, 0.3227



# Rectangle

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



39.1511, 0.2939, 0.2925



39.1511, 0.3306, 0.3093



39.1511, 0.3307, 0.3682



39.1511, 0.2944, 0.3500

# Sweetspot

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



39.1527, 0.2939, 0.2925



87.9308, 0.3077, 0.3191



47.9472, 0.2914, 0.3242



18.5695, 0.3067, 0.3172



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.1527, 0.2939, 0.2925



65.9863, 0.2891, 0.2834



40.6717, 0.3054, 0.2937



9.8187, 0.3006, 0.3054



2.7556, 0.1567, 0.0637



0.1427, 0.1745, 0.0735



# Inverse Universe

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



41.7451, 0.3178, 0.2997



71.6373, 0.3191, 0.2928



49.5242, 0.3191, 0.3650



10.2208, 0.3160, 0.3096



9.3355, 0.3623, 0.1769

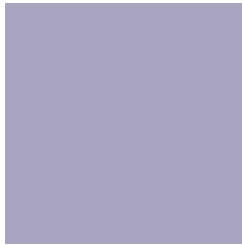


0.4106, 0.3517, 0.1711



# Previews

## White Background



This preview shows how the Yxy color 39.1511, 0.2939, 0.2925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

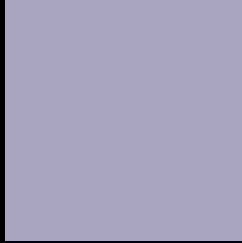
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.1511, 0.2939, 0.2925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

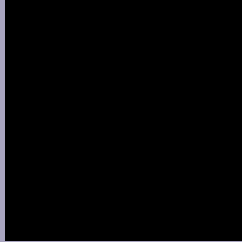
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1511, 0.2939, 0.2925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1511, 0.2939, 0.2925.



This preview shows how white text looks on a background with the Yxy color 39.1511, 0.2939, 0.2925.

# 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

39.1511, 0.2939, 0.2925

### Protanopia

39.2742, 0.2881, 0.2935

### Deuteranopia

39.2409, 0.2974, 0.2915



## Tritanopia

39.1482, 0.3018, 0.3110

# Trichromacy



## Original Color

39.1511, 0.2939, 0.2925

## Protanomaly

39.1220, 0.2897, 0.2923

## Deuteranomaly

39.1273, 0.2965, 0.2914

## Tritanomaly

39.0580, 0.2995, 0.3043

# Monochromacy



## Original Color

39.1511, 0.2939, 0.2925

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.6146, 0.3061, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1511, 0.2939, 0.2925 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(169, 165, 192)` looks like.

```
.text, #text, p{  
    color:rgb(169, 165, 192)  
}
```

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(169, 165, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 165, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1511, 0.2939, 0.2925 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(169, 165, 192) }
```

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

```
.border{ border-color:rgb(169, 165, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 165, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 165, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 165, 192);  
box-shadow:4px 4px 4px 4px rgb(169, 165,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1511, 0.2939, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 165, 192) }
```

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

```
.background{ background-color: rgb(169,  
165, 192) }
```

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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