

# Converting Colors

$Y_{xy}(39.3632, 0.2761, 0.2627)$

Have a look what the booklet for  
Yxy(39.3632, 0.2761, 0.2627)  
contains.

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# Color

**Yxy(39.3743, 0.2763, 0.2629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8A3D6
RGB	168, 163, 214
RGB Percent	66%, 64%, 84%
CMY	0.3411, 0.3608, 0.1609
CMYK	0.21, 0.24, 0.00, 0.16
HSL	246°, 38%, 74%
HSV	246°, 24%, 84%
XYZ	41.3812, 39.3743, 69.0136
YIQ	170.3090, -13.3910, 16.9210

# Conversions

## Conversions Part 2

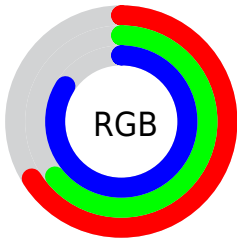
Format	Color
R <sub>Y</sub> B	168, 163, 214
Decimal	11051990
CIE Lab	69.02, 12.49, -25.21
CIE LCh	69, 28.133, 296.348
Yxy	39.3743, 0.2763, 0.2629
Android (android.graphics.Color)	4289242070 (0xFFA8A3D6)
YUV	170.3090, 21.5397, -2.0250
Hunter-Lab	62.7489, 7.9052, -21.2851

# Details

The Yxy color  $39.3743, 0.2763, 0.2629$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $64.2696, 0.3445, 0.3889$ , and the grayscale version is  $40.2572, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.2101, 0.2932, 0.2906$ , and  $17.5169, 0.2651, 0.2443$  is the 20% darker color. If you saturate the color by 10%, you get  $30.4462, 0.2579, 0.2303$ , and if you desaturate by 10%, it is  $49.9052, 0.2929, 0.2928$ .

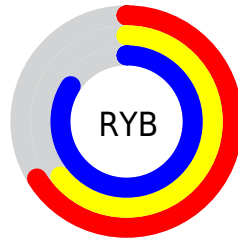
# Distribution



Red (66%)

Green (64%)

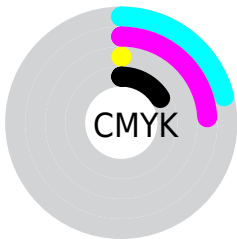
Blue (84%)



Red (66%)

Yellow (64%)

Blue (84%)

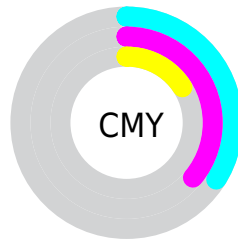


Cyan (21%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (34%)

Magenta (36%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3743, 0.2763, 0.2629 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 39.3743, 0.2763, 0.2629 by changing the saturation by 10% instead.





 39.3743, 0.2763,  
0.2629


 39.3743, 0.2763,  
0.2629


343.4792, 0.2951,  
0.2955

 27.0510, 0.2715,  
0.2549


 74.2098, 0.2832,  
0.2746

 17.6116, 0.2652,  
0.2448


 97.4908, 0.2858,  
0.2791

 10.6715, 0.2568,  
0.2317


125.1931, 0.2880,  
0.2829

 5.8464, 0.2450,  
0.2138

157.7013, 0.2898,  
0.2861

 2.7519, 0.2273,  
0.1884

195.3995, 0.2914,  
0.2889

 1.0036, 0.1985,  
0.1504

238.6724, 0.2928,

 0.0000, 0.1000,

0.2914

0.0000

287.9041, 0.2940,  
0.2936

0.0000, 0.0000,  
0.0000

39.3743, 0.2763,  
0.2629

39.3743, 0.2763,  
0.2629

30.4462, 0.2579,  
0.2303

49.9052, 0.2929,  
0.2928

23.0378, 0.2380,  
0.1959

62.1072, 0.3076,  
0.3196

17.0654, 0.2177,  
0.1614

76.0503, 0.3204,  
0.3432

12.4357, 0.1980,  
0.1288

91.7994, 0.3314,  
0.3638

9.0440, 0.1804,  
0.1008

97.6333, 0.3370,  
0.3691

■ 6.7701, 0.1663,  
0.0796

■ 5.4696, 0.1567,  
0.0664

■ 5.0129, 0.1529,  
0.0616

# Harmonies

## Analogous

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



39.3743, 0.2479, 0.2647



39.3743, 0.2763, 0.2629



39.3743, 0.3163, 0.2763

# Triad

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



39.3743, 0.2763, 0.2629



39.3743, 0.3955, 0.3673



39.3743, 0.2675, 0.3574

# Complementary

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



39.3743, 0.2763, 0.2629



64.2696, 0.3445, 0.3889

# 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.



39.3743, 0.3049, 0.3911



39.3743, 0.2763, 0.2629



39.3743, 0.3797, 0.3937

# Square

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



39.3743, 0.2763, 0.2629



39.3743, 0.3876, 0.3340



39.3743, 0.3461, 0.4041



39.3743, 0.2430, 0.3166



# Rectangle

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



39.3743, 0.2763, 0.2629



39.3743, 0.3446, 0.2921



39.3743, 0.3461, 0.4041



39.3743, 0.2789, 0.3703

# Sweetspot

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



39.3759, 0.2763, 0.2629



86.2092, 0.3031, 0.3113



58.5949, 0.2773, 0.3236



18.2107, 0.3022, 0.3096



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.



39.3759, 0.2763, 0.2629



51.0195, 0.2664, 0.2453



42.3520, 0.2970, 0.2667



12.0665, 0.2996, 0.3050



3.0518, 0.1536, 0.0620



0.2045, 0.1635, 0.0674



# Inverse Universe

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



45.0888, 0.3197, 0.2755



61.0889, 0.3216, 0.2631



60.9402, 0.3253, 0.3927



12.6107, 0.3153, 0.3082



10.9764, 0.3471, 0.1686



0.6683, 0.3421, 0.1658



# Previews

## White Background



This preview shows how the Yxy color 39.3743, 0.2763, 0.2629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

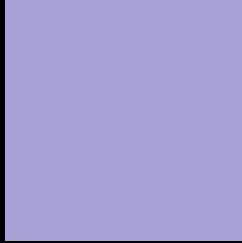
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.3743, 0.2763, 0.2629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

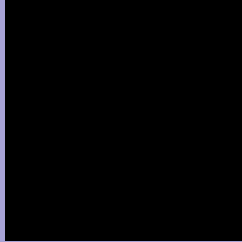
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.3743, 0.2763, 0.2629**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.3743, 0.2763, 0.2629.



This preview shows how white text looks on a background with the Yxy color 39.3743, 0.2763, 0.2629.

# 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

39.3743, 0.2763, 0.2629

### Protanopia

39.5639, 0.2652, 0.2641

### Deuteranopia

39.3424, 0.2709, 0.2645



## Tritanopia

39.4347, 0.2959, 0.3109

# Trichromacy



## Original Color

39.3743, 0.2763, 0.2629

## Protanomaly

39.6523, 0.2696, 0.2646

## Deuteranomaly

39.2985, 0.2732, 0.2636

## Tritanomaly

39.4250, 0.2881, 0.2923

# Monochromacy



## Original Color

39.3743, 0.2763, 0.2629

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.6176, 0.2987, 0.3031

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.3743, 0.2763, 0.2629 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(168, 163, 214)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 214)  
}
```

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(168, 163, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3743, 0.2763, 0.2629 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(168, 163, 214) }
```

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

```
.border{ border-color:rgb(168, 163, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 214);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3743, 0.2763, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 214) }
```

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

```
.background{ background-color: rgb(168,  
163, 214) }
```

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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