

# Converting Colors

$Yxy(39.5606, 0.2970, 0.3010)$

Have a look what the booklet for  
Yxy(39.5606, 0.2970, 0.3010)  
contains.

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# Color

**Yxy(39.5501, 0.2970, 0.3017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8A7BB
RGB	168, 167, 187
RGB Percent	66%, 65%, 73%
CMY	0.3413, 0.3451, 0.2666
CMYK	0.10, 0.11, 0.00, 0.27
HSL	243°, 13%, 69%
HSV	243°, 11%, 73%
XYZ	38.9340, 39.5501, 52.6067
YIQ	169.5790, -5.8240, 6.4320

# Conversions

## Conversions Part 2

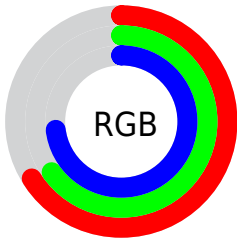
Format	Color
<a href="#">RYB</a>	<a href="#">168, 167, 187</a>
Decimal	<a href="#">11052987</a>
CIELab	<a href="#">69.15, 4.32, -10.13</a>
CIELCh	<a href="#">69, 11.012, 293.092</a>
Yxy	<a href="#">39.5501, 0.2970, 0.3017</a>
Android (android.graphics.Color)	<a href="#">4289243067</a> ( <a href="#">0xFFA8A7BB</a> )
YUV	<a href="#">169.5790, 8.5886, -1.3848</a>
Hunter-Lab	<a href="#">62.8889, 0.4523, -5.5741</a>

# Details

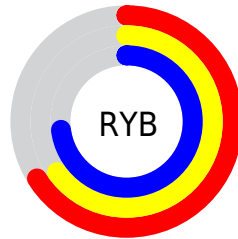
The Yxy color **39.5501, 0.2970, 0.3017** is a light color, and the websafe version is hex **999999**. A complement of this color would be **48.7863, 0.3276, 0.3550**, and the grayscale version is **39.9362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4016, 0.3000, 0.3069**, and **17.6957, 0.2921, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **31.3656, 0.2802, 0.2728**, and if you desaturate by 10%, it is **48.9964, 0.3118, 0.3273**.

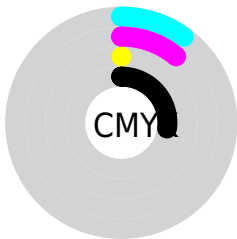
# Distribution



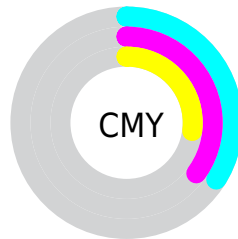
- Red (66%)
- Green (65%)
- Blue (73%)



- Red (66%)
- Yellow (65%)
- Blue (73%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)



- Cyan (34%)
- Magenta (35%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5501, 0.2970, 0.3017 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 39.5501, 0.2970, 0.3017 by changing the saturation by 10% instead.



■ 39.5501, 0.2970,  
0.3017

■ 39.5501, 0.2970,  
0.3017

■ 344.2236, 0.3051,  
0.3156

■ 27.1879, 0.2949,  
0.2982

■ 74.4779, 0.3000,  
0.3068

■ 17.7144, 0.2922,  
0.2936

■ 97.8124, 0.3011,  
0.3087

■ 10.7452, 0.2884,  
0.2875

■ 125.5731, 0.3020,  
0.3103

■ 5.8957, 0.2830,  
0.2788

■ 158.1444, 0.3028,  
0.3116

■ 2.7818, 0.2746,  
0.2656

■ 195.9107, 0.3035,  
0.3128

■ 1.0189, 0.2598,  
0.2431

■ 239.2564, 0.3041,

■ 0.0000, 0.0254,

0.3138

0.0000

288.5659, 0.3046,  
0.3148

0.0000, 0.0000,  
0.0000

39.5501, 0.2970,  
0.3017

39.5501, 0.2970,  
0.3017

31.3656, 0.2802,  
0.2728

48.9964, 0.3118,  
0.3273

24.3847, 0.2616,  
0.2410

59.7494, 0.3246,  
0.3497

18.5522, 0.2415,  
0.2069

71.8581, 0.3356,  
0.3692

13.8065, 0.2207,  
0.1720

85.3674, 0.3451,  
0.3860

10.0804, 0.2004,  
0.1383

96.3688, 0.3532,  
0.3959

■ 7.2991, 0.1821,  
0.1084

■ 5.3776, 0.1672,  
0.0847

■ 4.2158, 0.1569,  
0.0689

■ 3.6468, 0.1515,  
0.0608

# Harmonies

## Analogous

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



39.5501, 0.2857, 0.3039



39.5501, 0.2970, 0.3017



39.5501, 0.3127, 0.3064

# Triad

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



39.5501, 0.2970, 0.3017



39.5501, 0.3449, 0.3440



39.5501, 0.2965, 0.3416

# Complementary

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



39.5501, 0.2970, 0.3017



48.7863, 0.3276, 0.3550

# 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.



39.5501, 0.3120, 0.3531



39.5501, 0.2970, 0.3017



39.5501, 0.3402, 0.3541

# Square

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



39.5501, 0.2970, 0.3017



39.5501, 0.3407, 0.3304



39.5501, 0.3281, 0.3577



39.5501, 0.2854, 0.3266



# Rectangle

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



39.5501, 0.2970, 0.3017



39.5501, 0.3237, 0.3129



39.5501, 0.3281, 0.3577



39.5501, 0.3014, 0.3460

# Sweetspot

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



39.5518, 0.2970, 0.3017



83.5512, 0.3085, 0.3216



47.0725, 0.2965, 0.3281



18.0888, 0.3073, 0.3196



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



39.5518, 0.2970, 0.3017



66.9316, 0.2930, 0.2948



40.6574, 0.3056, 0.3024



9.2467, 0.2991, 0.3053



2.5212, 0.1518, 0.0610



0.1063, 0.1586, 0.0647



# Inverse Universe

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



41.7562, 0.3147, 0.3043



71.7247, 0.3153, 0.2984



47.6107, 0.3193, 0.3557



9.6881, 0.3145, 0.3075



9.4972, 0.3332, 0.1609



0.3745, 0.3300, 0.1591



# Previews

## White Background



This preview shows how the Yxy color 39.5501, 0.2970, 0.3017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

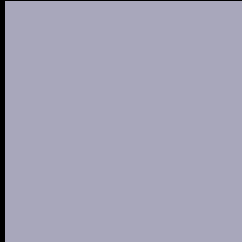
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5501, 0.2970, 0.3017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

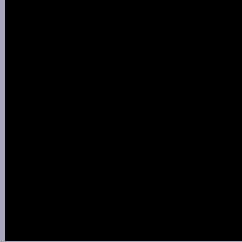
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

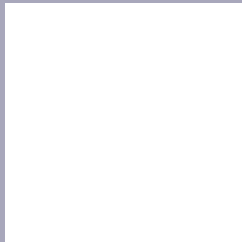
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.5501, 0.2970, 0.3017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.5501, 0.2970, 0.3017.



This preview shows how white text looks on a background with the Yxy color 39.5501, 0.2970, 0.3017.

# 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

39.5501, 0.2970, 0.3017

### Protanopia

39.7001, 0.2953, 0.3030

### Deuteranopia

39.4119, 0.3033, 0.2969



## Tritanopia

39.5569, 0.3010, 0.3111

# Trichromacy



## Original Color

39.5501, 0.2970, 0.3017

## Protanomaly

39.8086, 0.2962, 0.3030

## Deuteranomaly

39.4253, 0.3006, 0.2980

## Tritanomaly

39.6397, 0.2994, 0.3084

# Monochromacy



## Original Color

39.5501, 0.2970, 0.3017

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.9455, 0.3069, 0.3193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5501, 0.2970, 0.3017 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, 167, 187)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 187)  
}
```

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, 167, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5501, 0.2970, 0.3017 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, 167, 187) }
```

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

```
.border{ border-color:rgb(168, 167, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 167, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 167, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 167, 187); box-shadow:4px 4px 4px 4px rgb(168, 167, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5501, 0.2970, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 187) }
```

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

```
.background{ background-color: rgb(168,  
167, 187) }
```

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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