

# Converting Colors

$Y_{xy}(44.2849, 0.2981, 0.3174)$

Have a look what the booklet for  
Yxy(44.2849, 0.2981, 0.3174)  
contains.

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# Color

**Yxy(44.3741, 0.2989, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAB3BB
RGB	170, 179, 187
RGB Percent	67%, 70%, 73%
CMY	0.3332, 0.2980, 0.2668
CMYK	0.09, 0.04, 0.00, 0.27
HSL	208°, 11%, 70%
HSV	208°, 9%, 73%
XYZ	41.6696, 44.3741, 53.3660
YIQ	177.2210, -7.9320, 0.5800

# Conversions

## Conversions Part 2

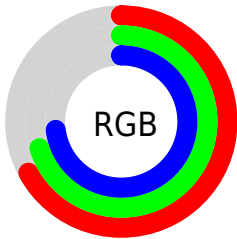
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 176, 187
Decimal	11187131
CIELab	72.48, -1.53, -5.14
CIELCh	72, 5.364, 253.388
Yxy	44.3741, 0.2989, 0.3183
Android (android.graphics.Color)	4289377211 (0xFFAAB3BB)
YUV	177.2210, 4.8210, -6.3328
Hunter-Lab	66.6139, -4.9157, -0.8690

# Details

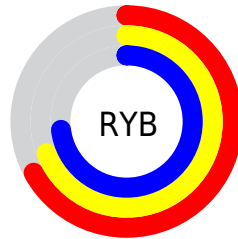
The Yxy color  $44.3741, 0.2989, 0.3183$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $45.3071, 0.3272, 0.3395$ , and the grayscale version is  $44.0683, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.8953, 0.3013, 0.3207$ , and  $20.4945, 0.2949, 0.3142$  is the 20% darker color. If you saturate the color by 10%, you get  $39.0222, 0.2832, 0.3052$ , and if you desaturate by 10%, it is  $50.2512, 0.3141, 0.3300$ .

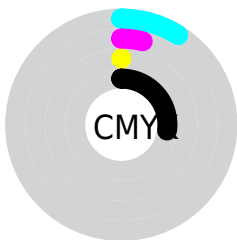
# Distribution



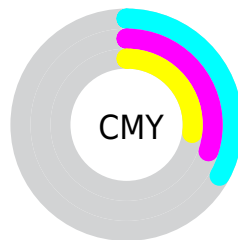
- Red (67%)
- Green (70%)
- Blue (73%)



- Red (67%)
- Yellow (69%)
- Blue (73%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (30%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3741, 0.2989, 0.3183 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 44.3741, 0.2989, 0.3183 by changing the saturation by 10% instead.



■ 44.3741, 0.2989,  
0.3183

■ 44.3741, 0.2989,  
0.3183

364.2327, 0.3058,  
0.3237

■ 30.9647, 0.2972,  
0.3169

■ 81.7804, 0.3014,  
0.3203

■ 20.5720, 0.2949,  
0.3152

106.5461, 0.3024,  
0.3210

■ 12.8115, 0.2919,  
0.3128

135.8660, 0.3032,  
0.3216

■ 7.2989, 0.2877,  
0.3094

170.1245, 0.3039,  
0.3222

■ 3.6497, 0.2813,  
0.3043

209.7060, 0.3045,  
0.3226

■ 1.4796, 0.2705,  
0.2956

254.9950, 0.3050,

■ 0.2743, 0.1932,

0.3230

0.2374

306.3757, 0.3054,  
0.3234

0.0000, 0.0000,  
0.0000

44.3741, 0.2989,  
0.3183

44.3741, 0.2989,  
0.3183

39.0222, 0.2832,  
0.3052

50.2512, 0.3141,  
0.3300

34.1734, 0.2672,  
0.2908

56.6637, 0.3287,  
0.3405

29.8118, 0.2513,  
0.2751

63.6284, 0.3424,  
0.3498

25.9187, 0.2358,  
0.2583

71.1598, 0.3554,  
0.3579

22.4738, 0.2212,  
0.2407

77.6203, 0.3610,  
0.3659

■ 19.4549, 0.2080,  
0.2225

■ 82.4454, 0.3588,  
0.3744

■ 16.8374, 0.1967,  
0.2042

■ 87.5184, 0.3566,  
0.3828

■ 14.5928, 0.1876,  
0.1863

■ 92.8429, 0.3545,  
0.3909

■ 12.6745, 0.1805,  
0.1691

■ 96.3666, 0.3532,  
0.3959

# Harmonies

## Analogous

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



44.3741, 0.2981, 0.3235



44.3741, 0.2989, 0.3183



44.3741, 0.3033, 0.3160

# Triad

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



44.3741, 0.2989, 0.3183



44.3741, 0.3243, 0.3276



44.3741, 0.3150, 0.3412

# Complementary

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



44.3741, 0.2989, 0.3183



45.3071, 0.3272, 0.3395

# 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.



44.3741, 0.3221, 0.3422



44.3741, 0.2989, 0.3183



44.3741, 0.3275, 0.3343

# Square

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



44.3741, 0.2989, 0.3183



44.3741, 0.3180, 0.3214



44.3741, 0.3267, 0.3396



44.3741, 0.3074, 0.3368



# Rectangle

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



44.3741, 0.2989, 0.3183



44.3741, 0.3078, 0.3164



44.3741, 0.3267, 0.3396



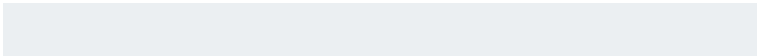
44.3741, 0.3175, 0.3420

# Sweetspot

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



44.3760, 0.2989, 0.3183



85.7183, 0.3081, 0.3255



47.2900, 0.3057, 0.3411



18.6880, 0.3069, 0.3246



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.



44.3760, 0.2989, 0.3183



77.3959, 0.2956, 0.3156



41.1096, 0.2989, 0.3069



10.0388, 0.2984, 0.3179



8.7650, 0.1805, 0.1696



0.4733, 0.1920, 0.2112



# Inverse Universe

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



42.5771, 0.3205, 0.3173



73.5266, 0.3225, 0.3145



48.7543, 0.3261, 0.3502



9.6185, 0.3208, 0.3169



7.9145, 0.4812, 0.2424

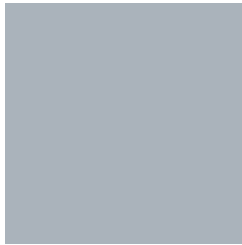


0.3231, 0.4328, 0.2158



# Previews

## White Background



This preview shows how the Yxy color 44.3741, 0.2989, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

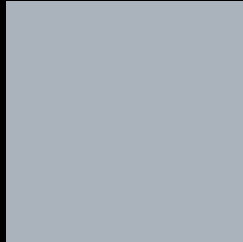
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3741, 0.2989, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

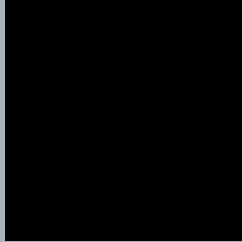
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

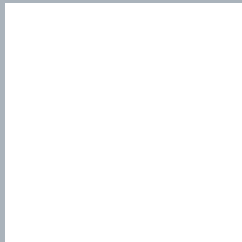
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.3741, 0.2989, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3741, 0.2989, 0.3183.



This preview shows how white text looks on a background with the Yxy color 44.3741, 0.2989, 0.3183.

# 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

44.3741, 0.2989, 0.3183

### Protanopia

44.4544, 0.3064, 0.3171

### Deuteranopia

44.0830, 0.3155, 0.3086



## Tritanopia

44.3045, 0.2959, 0.3104

# Trichromacy



## Original Color

44.3741, 0.2989, 0.3183

## Protanomaly

44.4999, 0.3038, 0.3184

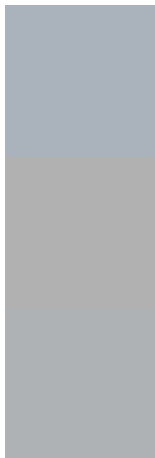
## Deuteranomaly

44.3581, 0.3092, 0.3121

## Tritanomaly

44.2164, 0.2974, 0.3130

# Monochromacy



## Original Color

44.3741, 0.2989, 0.3183

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1757, 0.3069, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3741, 0.2989, 0.3183 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(170, 179, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 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(170, 179, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3741, 0.2989, 0.3183 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(170, 179, 187) }
```

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

```
.border{ border-color:rgb(170, 179, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3741, 0.2989, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 187) }
```

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

```
.background{ background-color: rgb(170,  
179, 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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