

# Converting Colors

$Y_{xy}(48.0709, 0.2876, 0.3073)$

Have a look what the booklet for  
Yxy(48.0709, 0.2876, 0.3073)  
contains.

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# Color

**Yxy(47.9757, 0.2874, 0.3070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABACB
RGB	170, 186, 203
RGB Percent	67%, 73%, 80%
CMY	0.3334, 0.2706, 0.2040
CMYK	0.16, 0.08, 0.00, 0.20
HSL	211°, 24%, 73%
HSV	211°, 16%, 80%
XYZ	44.9128, 47.9757, 63.3842
YIQ	183.1540, -14.9930, 1.8950

# Conversions

## Conversions Part 2

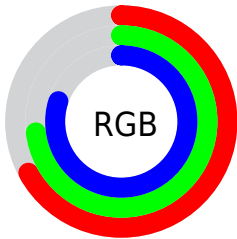
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	170, 181, 203
Decimal	11188939
CIE Lab	74.81, -1.97, -10.43
CIE LCh	75, 10.612, 259.275
Yxy	47.9757, 0.2874, 0.3070
Android (android.graphics.Color)	4289379019 (0xFFAABACB)
YUV	183.1540, 9.7841, -11.5361
Hunter-Lab	69.2645, -5.4692, -5.7713

# Details

The Yxy color  $47.9757, 0.2874, 0.3070$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $51.1239, 0.3399, 0.3501$ , and the grayscale version is  $47.3940, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.8930, 0.2950, 0.3158$ , and  $22.7965, 0.2808, 0.3008$  is the 20% darker color. If you saturate the color by 10%, you get  $41.6461, 0.2711, 0.2915$ , and if you desaturate by 10%, it is  $54.9803, 0.3032, 0.3210$ .

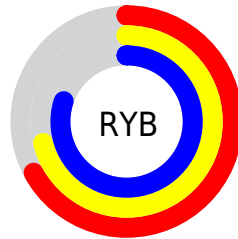
# Distribution



Red (67%)

Green (73%)

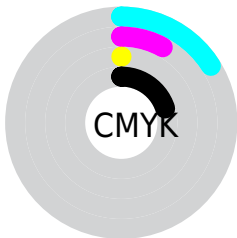
Blue (80%)



Red (67%)

Yellow (71%)

Blue (80%)

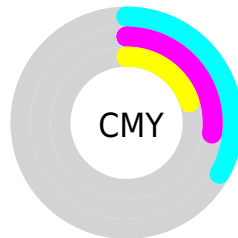


Cyan (16%)

Magenta (8%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (27%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9757, 0.2874, 0.3070 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 47.9757, 0.2874, 0.3070 by changing the saturation by 10% instead.



■ 47.9757, 0.2874,  
0.3070

■ 47.9757, 0.2874,  
0.3070

■ 378.6958, 0.2999,  
0.3180

■ 33.8076, 0.2843,  
0.3043

■ 87.1682, 0.2919,  
0.3110

■ 22.7459, 0.2804,  
0.3008

■ 112.9615, 0.2936,  
0.3125

■ 14.4060, 0.2752,  
0.2962

■ 143.3986, 0.2951,  
0.3137

■ 8.4036, 0.2681,  
0.2898

■ 178.8640, 0.2963,  
0.3148

■ 4.3542, 0.2576,  
0.2803

■ 219.7420, 0.2974,  
0.3158

■ 1.8736, 0.2409,  
0.2651

■ 266.4170, 0.2983,

■ 0.5325, 0.1955,

0.3166

0.2274

319.2735, 0.2992,  
0.3173

0.0000, 0.0000,  
0.0000

47.9757, 0.2874,  
0.3070

47.9757, 0.2874,  
0.3070

41.6461, 0.2711,  
0.2915

54.9803, 0.3032,  
0.3210

35.9626, 0.2547,  
0.2745

62.6755, 0.3183,  
0.3335

30.9031, 0.2385,  
0.2562

71.0837, 0.3325,  
0.3446

26.4414, 0.2230,  
0.2369

80.2245, 0.3459,  
0.3544

22.5492, 0.2087,  
0.2169

86.8552, 0.3467,  
0.3643

■ 19.1952, 0.1962,  
0.1968

■ 93.1225, 0.3447,  
0.3742

■ 16.3439, 0.1859,  
0.1772

■ 97.0912, 0.3436,  
0.3800

■ 13.9521, 0.1781,  
0.1586

■ 13.1482, 0.1755,  
0.1519

# Harmonies

## Analogous

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



47.9757, 0.2845, 0.3158



47.9757, 0.2874, 0.3070



47.9757, 0.2969, 0.3042

# Triad

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



47.9757, 0.2874, 0.3070



47.9757, 0.3370, 0.3287



47.9757, 0.3140, 0.3516

# Complementary

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



47.9757, 0.2874, 0.3070



51.1239, 0.3399, 0.3501

# 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.



47.9757, 0.3283, 0.3548



47.9757, 0.2874, 0.3070



47.9757, 0.3418, 0.3411

# Square

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



47.9757, 0.2874, 0.3070



47.9757, 0.3256, 0.3166



47.9757, 0.3385, 0.3508



47.9757, 0.2997, 0.3419



# Rectangle

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



47.9757, 0.2874, 0.3070



47.9757, 0.3059, 0.3058



47.9757, 0.3385, 0.3508



47.9757, 0.3190, 0.3535

# Sweetspot

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



47.9777, 0.2874, 0.3070



93.5469, 0.3050, 0.3226



54.8167, 0.2993, 0.3503



19.8339, 0.3039, 0.3216



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

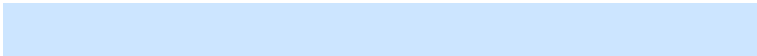


# Same Dimension

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



47.9777, 0.2874, 0.3070



75.9623, 0.2809, 0.3010



41.6020, 0.2865, 0.2856



11.7279, 0.2983, 0.3168



8.5496, 0.1762, 0.1543



0.5928, 0.1863, 0.1906



# Inverse Universe

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



44.9861, 0.3290, 0.3093



70.0894, 0.3339, 0.3041



58.3024, 0.3369, 0.3690



11.3029, 0.3215, 0.3178



8.6661, 0.5003, 0.2530

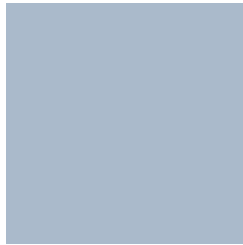


0.4624, 0.4561, 0.2286



# Previews

## White Background



This preview shows how the Yxy color 47.9757, 0.2874, 0.3070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

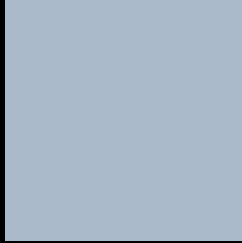
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.9757, 0.2874, 0.3070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

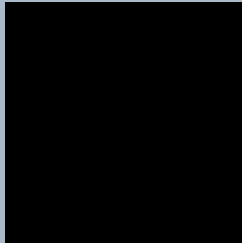
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

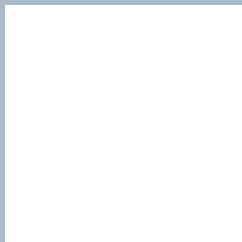
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.9757, 0.2874, 0.3070**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9757, 0.2874, 0.3070.



This preview shows how white text looks on a background with the Yxy color 47.9757, 0.2874, 0.3070.

# 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

47.9757, 0.2874, 0.3070

### Protanopia

48.0291, 0.2981, 0.3062

### Deuteranopia

47.8063, 0.3041, 0.2981



## Tritanopia

47.8809, 0.2888, 0.3095

# Trichromacy



## Original Color

47.9757, 0.2874, 0.3070

## Protanomaly

48.0102, 0.2942, 0.3060

## Deuteranomaly

48.0059, 0.2975, 0.3014

## Tritanomaly

47.9281, 0.2881, 0.3082

# Monochromacy



## Original Color

47.9757, 0.2874, 0.3070

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.4637, 0.3031, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9757, 0.2874, 0.3070 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, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 203)  
}
```

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, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9757, 0.2874, 0.3070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

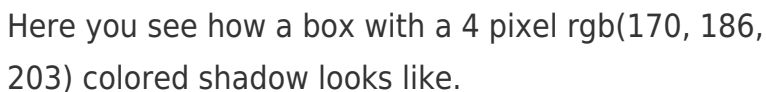
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 186, 203) }
```

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

```
.border{ border-color:rgb(170, 186, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 186, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 186, 203); box-shadow:4px 4px 4px 4px rgb(170, 186, 203) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9757, 0.2874, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 186, 203) }
```

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

```
.background{ background-color: rgb(170,  
186, 203) }
```

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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