

# Converting Colors

$Y_{xy}(48.3189, 0.2872, 0.3184)$

Have a look what the booklet for  
Yxy(48.3189, 0.2872, 0.3184)  
contains.

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# Color

**Yxy(48.3189, 0.2872, 0.3184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4BDC5
RGB	164, 189, 197
RGB Percent	64%, 74%, 77%
CMY	0.3569, 0.2588, 0.2274
CMYK	0.17, 0.04, 0.00, 0.23
HSL	195°, 22%, 71%
HSV	195°, 17%, 77%
XYZ	43.5841, 48.3189, 59.8523
YIQ	182.4370, -17.4680, -2.8120

# Conversions

## Conversions Part 2

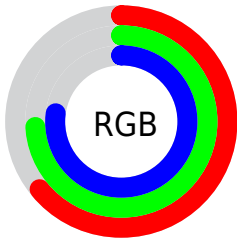
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 178, 197
Decimal	10796485
CIELab	75.03, -6.78, -6.89
CIELCh	75, 9.672, 225.454
Yxy	48.3189, 0.2872, 0.3184
Android (android.graphics.Color)	4288986565 (0xFFA4BDC5)
YUV	182.4370, 7.1796, -16.1692
Hunter-Lab	69.5118, -9.7255, -2.3927

# Details

The Yxy color **48.3189, 0.2872, 0.3184** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0511, 0.3426, 0.3394**, and the grayscale version is **46.9973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5206, 0.2914, 0.3197**, and **23.0362, 0.2807, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **44.3655, 0.2724, 0.3113**, and if you desaturate by 10%, it is **52.6685, 0.3024, 0.3249**.

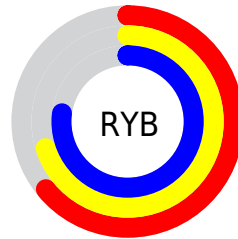
# Distribution



Red (64%)

Green (74%)

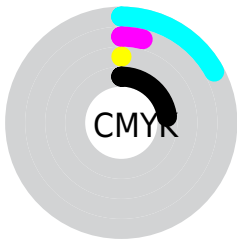
Blue (77%)



Red (64%)

Yellow (70%)

Blue (77%)

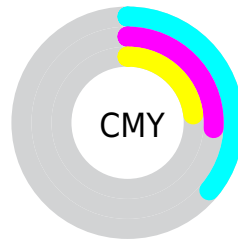


Cyan (17%)

Magenta (4%)

Yellow (0%)

Black (23%)



Cyan (36%)

Magenta (26%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3189, 0.2872, 0.3184 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 48.3189, 0.2872, 0.3184 by changing the saturation by 10% instead.




 48.3189, 0.2872,  
0.3184


 48.3189, 0.2872,  
0.3184


380.0548, 0.2998,  
0.3238

 34.0795, 0.2841,  
0.3170


 87.6790, 0.2917,  
0.3204

 22.9547, 0.2802,  
0.3153

 113.5685, 0.2935,  
0.3211

 14.5600, 0.2750,  
0.3129


144.1102, 0.2949,  
0.3217

 8.5112, 0.2678,  
0.3095

179.6884, 0.2962,  
0.3223

 4.4238, 0.2573,  
0.3045

220.6876, 0.2972,  
0.3227

 1.9133, 0.2406,  
0.2959

267.4921, 0.2982,

 0.5564, 0.1805,

0.3231

0.2764

320.4864, 0.2990,  
0.3235

0.0000, 0.0000,  
0.0000

48.3189, 0.2872,  
0.3184

48.3189, 0.2872,  
0.3184

44.3655, 0.2724,  
0.3113

52.6685, 0.3024,  
0.3249

40.7868, 0.2582,  
0.3036

57.4228, 0.3177,  
0.3309

37.5681, 0.2451,  
0.2954

62.5976, 0.3328,  
0.3362

34.6911, 0.2332,  
0.2869

68.2060, 0.3476,  
0.3409

32.1358, 0.2230,  
0.2780

72.8112, 0.3561,  
0.3454

■ 29.8798, 0.2146,  
0.2691

■ 75.2451, 0.3551,  
0.3502

■ 27.8968, 0.2082,  
0.2601

■ 77.7501, 0.3540,  
0.3550

■ 26.1523, 0.2036,  
0.2512

■ 80.3270, 0.3530,  
0.3597

■ 25.6166, 0.2023,  
0.2483

■ 82.9762, 0.3520,  
0.3643

# Harmonies

## Analogous

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



48.3189, 0.2921, 0.3303



48.3189, 0.2872, 0.3184



48.3189, 0.2890, 0.3097

# Triad

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



48.3189, 0.2872, 0.3184



48.3189, 0.3228, 0.3164



48.3189, 0.3284, 0.3524

# Complementary

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



48.3189, 0.2872, 0.3184



44.0511, 0.3426, 0.3394

# 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.



48.3189, 0.3369, 0.3480



48.3189, 0.2872, 0.3184



48.3189, 0.3337, 0.3272

# Square

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



48.3189, 0.2872, 0.3184



48.3189, 0.3093, 0.3089



48.3189, 0.3389, 0.3387



48.3189, 0.3157, 0.3503

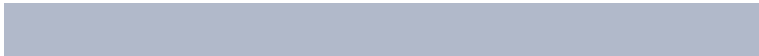


# Rectangle

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



48.3189, 0.2872, 0.3184



48.3189, 0.2937, 0.3068



48.3189, 0.3389, 0.3387



48.3189, 0.3318, 0.3516

# Sweetspot

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



48.3209, 0.2872, 0.3184



95.7070, 0.3050, 0.3260



50.7915, 0.3051, 0.3630



20.3593, 0.3039, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

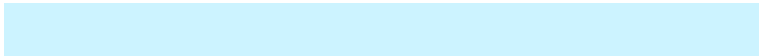


# Same Dimension

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



48.3209, 0.2872, 0.3184



83.9477, 0.2819, 0.3159



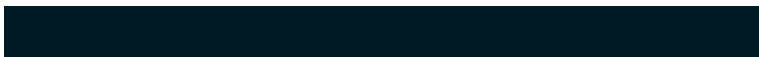
41.7318, 0.2862, 0.2964



11.6154, 0.2984, 0.3233



16.9846, 0.2026, 0.2495



0.9119, 0.2078, 0.2680



# Inverse Universe

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



42.0934, 0.3216, 0.2976



70.8955, 0.3237, 0.2907



50.6019, 0.3393, 0.3596



10.7710, 0.3174, 0.3117



9.2546, 0.3927, 0.1937



0.4491, 0.3747, 0.1838



# Previews

## White Background



This preview shows how the Yxy color 48.3189, 0.2872, 0.3184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

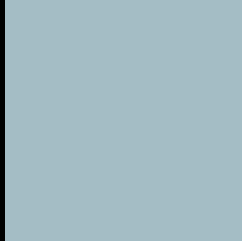
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3189, 0.2872, 0.3184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

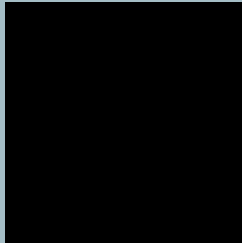
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.3189, 0.2872, 0.3184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.3189, 0.2872, 0.3184.



This preview shows how white text looks on a background with the Yxy color 48.3189, 0.2872, 0.3184.

# 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

48.3189, 0.2872, 0.3184

### Protanopia

48.0763, 0.3059, 0.3150

### Deuteranopia

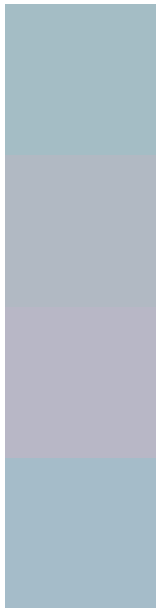
48.0995, 0.3113, 0.3044



## Tritanopia

48.2776, 0.2838, 0.3094

# Trichromacy



**Original Color**

48.3189, 0.2872, 0.3184

**Protanomaly**

47.9852, 0.2986, 0.3161

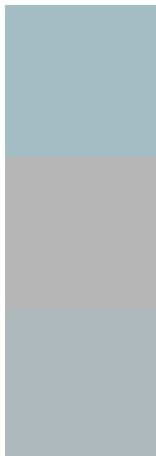
**Deuteranomaly**

48.1345, 0.3020, 0.3100

**Tritanomaly**

48.1828, 0.2851, 0.3119

# Monochromacy



**Original Color**

48.3189, 0.2872, 0.3184

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

47.3997, 0.3029, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3189, 0.2872, 0.3184 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(164, 189, 197)` looks like.

```
.text, #text, p{  
    color:rgb(164, 189, 197)  
}
```

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(164, 189, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 189, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3189, 0.2872, 0.3184 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(164, 189, 197) }
```

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

```
.border{ border-color:rgb(164, 189, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 189, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 189, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 189, 197);  
box-shadow:4px 4px 4px 4px rgb(164, 189,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3189, 0.2872, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 189, 197) }
```

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

```
.background{ background-color: rgb(164,  
189, 197) }
```

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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