

# Converting Colors

$Y_{xy}(48.3721, 0.2567, 0.3205)$

Have a look what the booklet for  
Yxy(48.3721, 0.2567, 0.3205)  
contains.

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# Color

**Yxy(48.3819, 0.2569, 0.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC5CB
RGB	122, 197, 203
RGB Percent	48%, 77%, 80%
CMY	0.5212, 0.2275, 0.2039
CMYK	0.40, 0.03, 0.00, 0.20
HSL	184°, 44%, 64%
HSV	184°, 40%, 80%
XYZ	38.7810, 48.3819, 63.7947
YIQ	175.2590, -46.6260, -14.0340

# Conversions

## Conversions Part 2

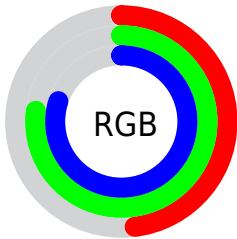
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">122, 161, 203</a>
Decimal	<a href="#">8046027</a>
<a href="#">CIELab</a>	<a href="#">75.07, -21.67, -10.35</a>
<a href="#">CIElCh</a>	<a href="#">75, 24.016, 205.518</a>
<a href="#">Yxy</a>	<a href="#">48.3819, 0.2569, 0.3205</a>
Android (android.graphics.Color)	<a href="#">4286236107</a> ( <a href="#">0xFF7AC5CB</a> )
<a href="#">YUV</a>	<a href="#">175.2590, 13.6763, -46.7081</a>
<a href="#">Hunter-Lab</a>	<a href="#">69.5571, -22.2037, -5.6882</a>

# Details

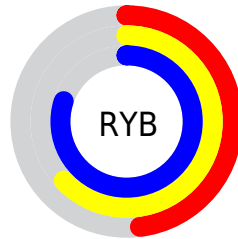
The Yxy color **48.3819, 0.2569, 0.3205** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.5693, 0.4091, 0.3371**, and the grayscale version is **42.9678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5686, 0.2690, 0.3278**, and **23.0081, 0.2422, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **46.3706, 0.2460, 0.3181**, and if you desaturate by 10%, it is **50.7134, 0.2693, 0.3228**.

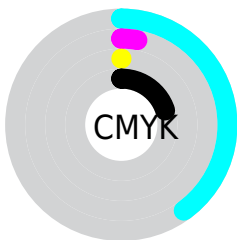
# Distribution



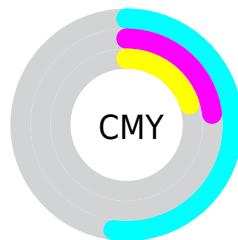
- Red (48%)
- Green (77%)
- Blue (80%)



- Red (48%)
- Yellow (63%)
- Blue (80%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)




- Cyan (52%)
- Magenta (23%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3819, 0.2569, 0.3205 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 48.3819, 0.2569, 0.3205 by changing the saturation by 10% instead.





 48.3819, 0.2569,  
0.3205


 48.3819, 0.2569,  
0.3205


380.3039, 0.2841,  
0.3253


 34.1294, 0.2503,  
0.3192


 87.7727, 0.2666,  
0.3224

 22.9930, 0.2420,  
0.3173


 113.6799, 0.2703,  
0.3230

 14.5884, 0.2312,  
0.3148


 144.2407, 0.2735,  
0.3236

 8.5310, 0.2166,  
0.3109

179.8396, 0.2762,  
0.3240

 4.4366, 0.1957,  
0.3047

220.8610, 0.2786,  
0.3244

 1.9206, 0.1642,  
0.2933

267.6892, 0.2806,

 0.5607, 0.0020,

0.3247

0.2879

320.7087, 0.2825,  
0.3250

0.0000, 0.0000,  
0.0000

48.3819, 0.2569,  
0.3205

48.3819, 0.2569,  
0.3205

46.3706, 0.2460,  
0.3181

50.7134, 0.2693,  
0.3228

44.6544, 0.2367,  
0.3156

53.3773, 0.2830,  
0.3251

43.2135, 0.2294,  
0.3130


56.3917, 0.2977,  
0.3271


42.0234, 0.2239,  
0.3105


59.7721, 0.3129,  
0.3290


41.0549, 0.2204,  
0.3080

63.5328, 0.3286,  
0.3308


 40.2541, 0.2182,  
0.3055

 67.6874, 0.3443,  
0.3323

 40.2431, 0.2182,  
0.3055

 70.4636, 0.3527,  
0.3338

 71.2006, 0.3524,  
0.3353

 71.9446, 0.3521,  
0.3369

# Harmonies

## Analogous

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



48.3819, 0.2774, 0.3525



48.3819, 0.2569, 0.3205



48.3819, 0.2508, 0.2933

# Triad

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



48.3819, 0.2569, 0.3205



48.3819, 0.3149, 0.2858



48.3819, 0.3670, 0.3807

# Complementary

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



48.3819, 0.2569, 0.3205



29.5693, 0.4091, 0.3371

# 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.



48.3819, 0.3787, 0.3598



48.3819, 0.2569, 0.3205



48.3819, 0.3478, 0.3064

# Square

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



48.3819, 0.2569, 0.3205



48.3819, 0.2829, 0.2753



48.3819, 0.3717, 0.3329



48.3819, 0.3407, 0.3884



# Rectangle

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



48.3819, 0.2569, 0.3205



48.3819, 0.2553, 0.2813



48.3819, 0.3717, 0.3329



48.3819, 0.3729, 0.3748

# Sweetspot

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



48.3838, 0.2569, 0.3205



93.2091, 0.2942, 0.3267



48.4018, 0.3037, 0.4421



19.8041, 0.2923, 0.3264



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.



48.3838, 0.2569, 0.3205



78.0279, 0.2472, 0.3184



32.6216, 0.2478, 0.2616



12.5788, 0.2984, 0.3272



25.6688, 0.2183, 0.3058



1.3678, 0.2196, 0.3107



# Inverse Universe

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



30.6689, 0.3234, 0.2380



44.5737, 0.3261, 0.2196



42.0873, 0.3881, 0.3876



11.3888, 0.3149, 0.3078



10.3943, 0.3403, 0.1648

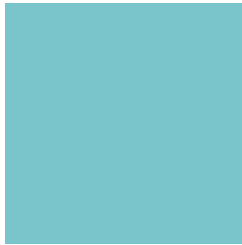


0.5406, 0.3361, 0.1625



# Previews

## White Background



This preview shows how the Yxy color 48.3819, 0.2569, 0.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

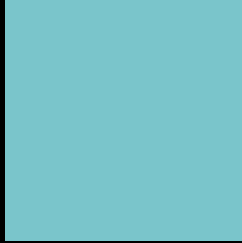
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3819, 0.2569, 0.3205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

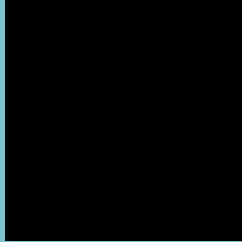
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

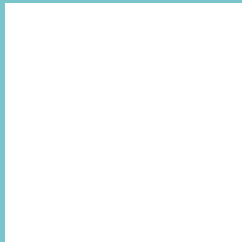
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3819, 0.2569, 0.3205**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3819, 0.2569, 0.3205.

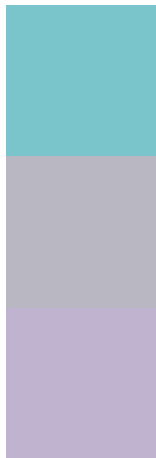


This preview shows how white text looks on a background with the Yxy color 48.3819, 0.2569, 0.3205.

# 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

48.3819, 0.2569, 0.3205

### Protanopia

47.9524, 0.3050, 0.3150

### Deuteranopia

47.8216, 0.3010, 0.2945



## Tritanopia

48.4681, 0.2533, 0.3084

# Trichromacy



## Original Color

48.3819, 0.2569, 0.3205

## Protanomaly

47.5747, 0.2849, 0.3170

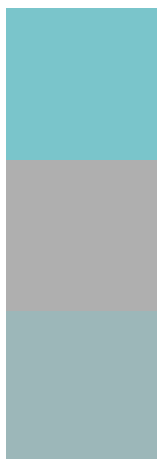
## Deuteranomaly

47.6810, 0.2823, 0.3030

## Tritanomaly

48.2449, 0.2544, 0.3124

# Monochromacy



## Original Color

48.3819, 0.2569, 0.3205

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.4377, 0.2892, 0.3262

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  48.3819, 0.2569, 0.3205 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(122, 197, 203)` looks like.

```
.text, #text, p{  
    color:rgb(122, 197, 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(122, 197, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 197, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3819, 0.2569, 0.3205 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(122, 197, 203) }
```

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

```
.border{ border-color:rgb(122, 197, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 197, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 197, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 197, 203);  
box-shadow:4px 4px 4px 4px rgb(122, 197,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3819, 0.2569, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 197, 203) }
```

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

```
.background{ background-color: rgb(122,  
197, 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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