

# Converting Colors

$Yxy(48.0330, 0.2596, 0.3494)$

Have a look what the booklet for  
Yxy(48.0330, 0.2596, 0.3494)  
contains.

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# Color

**Yxy(48.0419, 0.2595, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CC8BA
RGB	108, 200, 186
RGB Percent	42%, 78%, 73%
CMY	0.5764, 0.2157, 0.2707
CMYK	0.46, 0.00, 0.07, 0.22
HSL	171°, 46%, 60%
HSV	171°, 46%, 78%
XYZ	35.7012, 48.0419, 53.8339
YIQ	170.8960, -50.3380, -23.8580

# Conversions

## Conversions Part 2

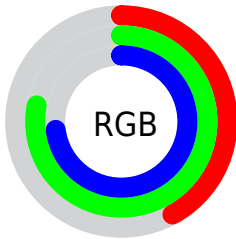
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 158, 200
Decimal	7129274
CIELab	74.85, -30.84, -1.51
CIELCh	75, 30.878, 182.798
Yxy	48.0419, 0.2595, 0.3492
Android (android.graphics.Color)	4285319354 (0xFF6CC8BA)
YUV	170.8960, 7.4463, -55.1598
Hunter-Lab	69.3123, -29.3550, 2.4688

# Details

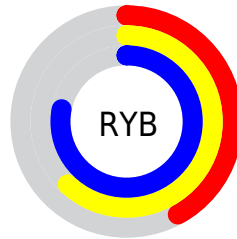
The Yxy color **48.0419, 0.2595, 0.3492** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4153, 0.4164, 0.3109**, and the grayscale version is **40.6531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8233, 0.2684, 0.3434**, and **22.9293, 0.2452, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **46.8018, 0.2515, 0.3544**, and if you desaturate by 10%, it is **49.5762, 0.2691, 0.3442**.

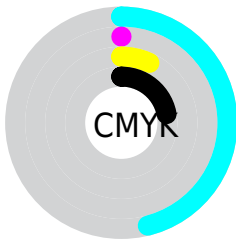
# Distribution



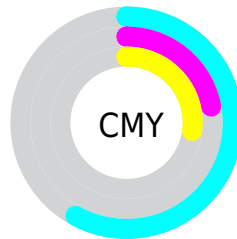
- Red (42%)
- Green (78%)
- Blue (73%)



- Red (42%)
- Yellow (62%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0419, 0.2595, 0.3492 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 48.0419, 0.2595, 0.3492 by changing the saturation by 10% instead.





 48.0419, 0.2595,  
0.3492


 48.0419, 0.2595,  
0.3492

378.9582, 0.2858,  
0.3394


 33.8601, 0.2531,  
0.3516


 87.2668, 0.2690,  
0.3457


 22.7861, 0.2449,  
0.3546


 113.0786, 0.2725,  
0.3443

 14.4357, 0.2341,  
0.3585


 143.5359, 0.2756,  
0.3432

 8.4243, 0.2194,  
0.3638

 179.0231, 0.2782,  
0.3422

 4.3676, 0.1980,  
0.3712

219.9245, 0.2804,  
0.3414

 1.8813, 0.1646,  
0.3825

266.6246, 0.2824,

 0.5371, 0.0000,

0.3406

0.4376

319.5077, 0.2842,  
0.3399

0.0000, 0.0000,  
0.0000

48.0419, 0.2595,  
0.3492

48.0419, 0.2595,  
0.3492

46.8018, 0.2515,  
0.3544

49.5762, 0.2691,  
0.3442

45.8302, 0.2454,  
0.3597

51.4171, 0.2800,  
0.3396

45.1066, 0.2412,  
0.3651


53.5831, 0.2920,  
0.3352


44.6048, 0.2388,  
0.3705


56.0895, 0.3048,  
0.3312


44.2920, 0.2383,  
0.3759


58.9508, 0.3181,  
0.3276

 44.1939, 0.2383,  
0.3780

 62.1805, 0.3317,  
0.3243

 65.7914, 0.3453,  
0.3214

 67.2418, 0.3485,  
0.3185

 67.3956, 0.3461,  
0.3154

# Harmonies

## Analogous

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



48.0419, 0.2957, 0.3869



48.0419, 0.2595, 0.3492



48.0419, 0.2381, 0.3077

# Triad

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



48.0419, 0.2595, 0.3492



48.0419, 0.2834, 0.2630



48.0419, 0.3962, 0.3749

# Complementary

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



48.0419, 0.2595, 0.3492



24.4153, 0.4164, 0.3109

# 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.



48.0419, 0.3935, 0.3415



48.0419, 0.2595, 0.3492



48.0419, 0.3258, 0.2797

# Square

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



48.0419, 0.2595, 0.3492



48.0419, 0.2511, 0.2612



48.0419, 0.3670, 0.3076



48.0419, 0.3753, 0.3994



# Rectangle

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



48.0419, 0.2595, 0.3492



48.0419, 0.2341, 0.2851



48.0419, 0.3670, 0.3076



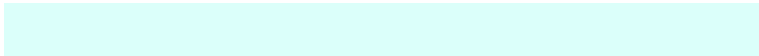
48.0419, 0.3981, 0.3643

# Sweetspot

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



48.0438, 0.2595, 0.3492



93.5010, 0.2942, 0.3345



46.6301, 0.3166, 0.4675



19.8219, 0.2915, 0.3354



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.



48.0438, 0.2595, 0.3492



81.0665, 0.2517, 0.3543



35.8631, 0.2437, 0.2831



12.0387, 0.3004, 0.3325



28.1097, 0.2381, 0.3773



1.3387, 0.2350, 0.3661



# Inverse Universe

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



24.4153, 0.4164, 0.3109



35.2458, 0.4525, 0.3079



31.7359, 0.4158, 0.3695



10.6629, 0.3266, 0.3255



7.8773, 0.6172, 0.3173

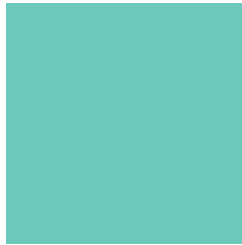


0.3816, 0.5662, 0.2893



# Previews

## White Background



This preview shows how the Yxy color 48.0419, 0.2595, 0.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

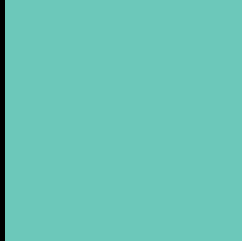
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0419, 0.2595, 0.3492 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 48.0419, 0.2595, 0.3492**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0419, 0.2595, 0.3492.

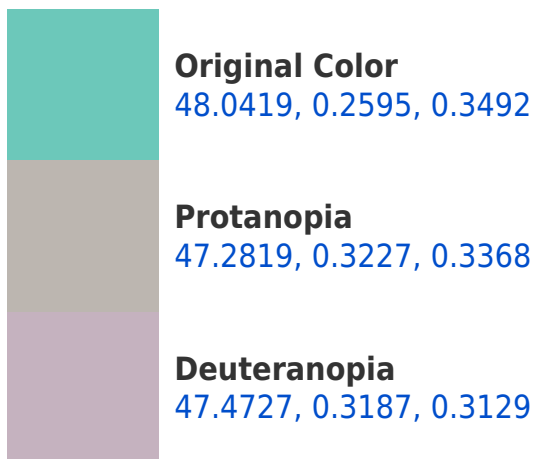


This preview shows how white text looks on a background with the Yxy color 48.0419, 0.2595, 0.3492.

# 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





## Tritanopia

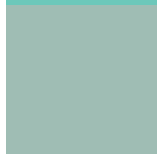
47.9463, 0.2485, 0.3068

# Trichromacy



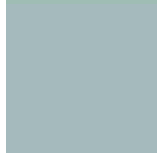
## Original Color

48.0419, 0.2595, 0.3492



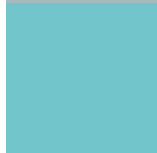
## Protanomaly

47.0614, 0.2954, 0.3412



## Deuteranomaly

46.7913, 0.2935, 0.3249



## Tritanomaly

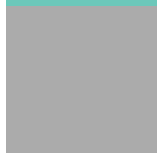
47.7550, 0.2520, 0.3204

# Monochromacy



## Original Color

48.0419, 0.2595, 0.3492



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

42.8864, 0.2894, 0.3375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0419, 0.2595, 0.3492 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(108, 200, 186)` looks like.

```
.text, #text, p{  
    color:rgb(108, 200, 186)  
}
```

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(108, 200, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0419, 0.2595, 0.3492 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(108, 200, 186) }
```

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

```
.border{ border-color:rgb(108, 200, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 200, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 200, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 200, 186); box-shadow:4px 4px 4px 4px rgb(108, 200, 186) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0419, 0.2595, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 200, 186) }
```

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

```
.background{ background-color: rgb(108,  
200, 186) }
```

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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