

# Converting Colors

Yxy(51.8431, 0.2594, 0.3428)

Have a look what the booklet for  
Yxy(51.8431, 0.2594, 0.3428)  
contains.

<b>Yxy(51.8411, 0.2594, 0.3428)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.8411, 0.2594, 0.3428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74CEC4
RGB	116, 206, 196
RGB Percent	45%, 81%, 77%
CMY	0.5454, 0.1921, 0.2314
CMYK	0.44, 0.00, 0.05, 0.19
HSL	173°, 48%, 63%
HSV	173°, 44%, 81%
XYZ	39.2287, 51.8411, 60.1587
YIQ	177.9500, -50.4300, -22.1900

# Conversions

## Conversions Part 2

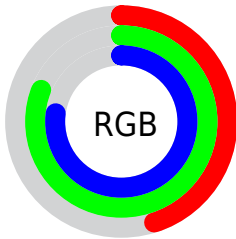
Format	Color
<a href="#">RYB</a>	<a href="#">116, 164, 206</a>
Decimal	<a href="#">7655108</a>
CIELab	<a href="#">77.19, -29.39, -3.45</a>
CIELCh	<a href="#">77, 29.594, 186.690</a>
Yxy	<a href="#">51.8411, 0.2594, 0.3428</a>
Android (android.graphics.Color)	<a href="#">4285845188 (0xFF74CEC4)</a>
YUV	<a href="#">177.9500, 8.8987, -54.3301</a>
Hunter-Lab	<a href="#">72.0008, -28.7480, 0.8621</a>

# Details

The Yxy color **51.8411, 0.2594, 0.3428** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.1015, 0.4140, 0.3165**, and the grayscale version is **44.4561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4961, 0.2676, 0.3310**, and **25.0160, 0.2457, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **50.4820, 0.2507, 0.3465**, and if you desaturate by 10%, it is **53.5188, 0.2697, 0.3393**.

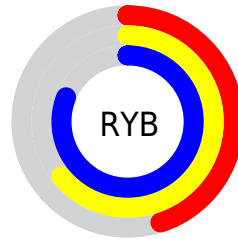
# Distribution



Red (45%)

Green (81%)

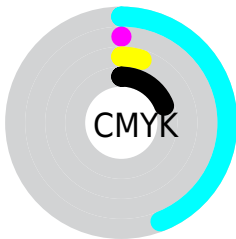
Blue (77%)



Red (45%)

Yellow (64%)

Blue (81%)

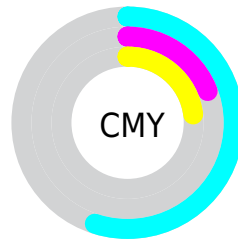


Cyan (44%)

Magenta (0%)

Yellow (5%)

Black (19%)



Cyan (55%)

Magenta (19%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8411, 0.2594, 0.3428 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 51.8411, 0.2594, 0.3428 by changing the saturation by 10% instead.





 51.8411, 0.2594,  
0.3428

 51.8411, 0.2594,  
0.3428


393.8229, 0.2853,  
0.3363


 36.8784, 0.2532,  
0.3443


 92.8969, 0.2686,  
0.3406

 25.1134, 0.2453,  
0.3461


 119.7587, 0.2722,  
0.3397

 16.1615, 0.2351,  
0.3484


 151.3558, 0.2752,  
0.3389

 9.6385, 0.2213,  
0.3514

188.0725, 0.2777,  
0.3383

 5.1600, 0.2016,  
0.3553

230.2931, 0.2800,  
0.3377

 2.3414, 0.1718,  
0.3604

278.4021, 0.2820,

 0.7955, 0.0198,

0.3372

0.4083

332.7839, 0.2837,  
0.3368

0.0000, 0.0000,  
0.0000

51.8411, 0.2594,  
0.3428

51.8411, 0.2594,  
0.3428

50.4820, 0.2507,  
0.3465

53.5188, 0.2697,  
0.3393

49.4145, 0.2439,  
0.3503

55.5281, 0.2813,  
0.3359

48.6171, 0.2389,  
0.3541


57.8884, 0.2940,  
0.3328


48.0627, 0.2359,  
0.3580


60.6161, 0.3075,  
0.3300

47.7184, 0.2347,  
0.3618

63.7265, 0.3216,  
0.3274

 47.5734, 0.2345,  
0.3642

 67.2339, 0.3358,  
0.3251

 70.1656, 0.3461,  
0.3230

 70.2822, 0.3444,  
0.3206

 70.4003, 0.3427,  
0.3183

# Harmonies

## Analogous

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



51.8411, 0.2920, 0.3791



51.8411, 0.2594, 0.3428



51.8411, 0.2413, 0.3048

# Triad

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



51.8411, 0.2594, 0.3428



51.8411, 0.2902, 0.2683



51.8411, 0.3894, 0.3759

# Complementary

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



51.8411, 0.2594, 0.3428



27.1015, 0.4140, 0.3165

# 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.



51.8411, 0.3898, 0.3452



51.8411, 0.2594, 0.3428



51.8411, 0.3304, 0.2856

# Square

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



51.8411, 0.2594, 0.3428



51.8411, 0.2581, 0.2647



51.8411, 0.3677, 0.3130



51.8411, 0.3675, 0.3968



# Rectangle

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



51.8411, 0.2594, 0.3428



51.8411, 0.2390, 0.2847



51.8411, 0.3677, 0.3130



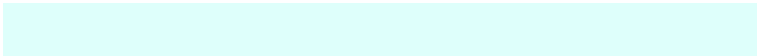
51.8411, 0.3922, 0.3663

# Sweetspot

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



51.8431, 0.2594, 0.3428



94.0107, 0.2948, 0.3327



49.8780, 0.3135, 0.4614



19.9268, 0.2918, 0.3333



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.



51.8431, 0.2594, 0.3428



81.9929, 0.2516, 0.3461



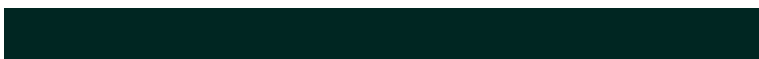
37.4718, 0.2455, 0.2789



12.7047, 0.2998, 0.3316



29.2980, 0.2343, 0.3636



1.5177, 0.2323, 0.3562



# Inverse Universe

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



27.1015, 0.4140, 0.3165



37.0880, 0.4474, 0.3144



36.3421, 0.4066, 0.3733



11.2336, 0.3273, 0.3265



8.1251, 0.6255, 0.3219

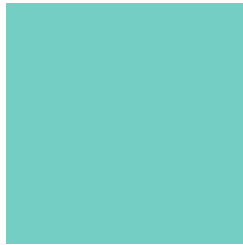


0.4262, 0.5864, 0.3004



# Previews

## White Background



This preview shows how the Yxy color 51.8411, 0.2594, 0.3428 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

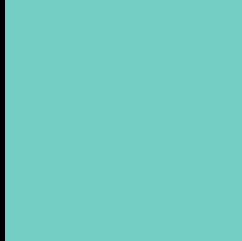
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.8411, 0.2594, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

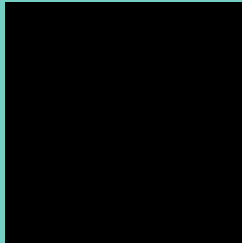
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

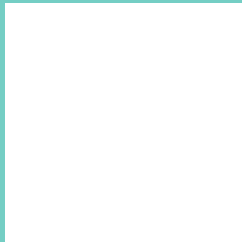
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.8411, 0.2594, 0.3428**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8411, 0.2594, 0.3428.

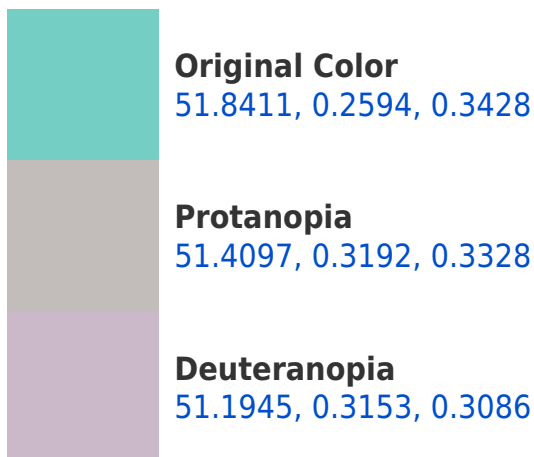


This preview shows how white text looks on a background with the Yxy color 51.8411, 0.2594, 0.3428.

# 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

51.9639, 0.2496, 0.3076

# Trichromacy



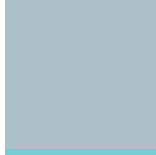
## Original Color

51.8411, 0.2594, 0.3428



## Protanomaly

50.8549, 0.2938, 0.3355



## Deuteranomaly

50.4807, 0.2912, 0.3199



## Tritanomaly

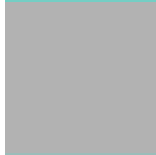
51.8819, 0.2530, 0.3194

# Monochromacy



## Original Color

51.8411, 0.2594, 0.3428



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

46.4378, 0.2887, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8411, 0.2594, 0.3428 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(116, 206, 196)` looks like.

```
.text, #text, p{  
    color:rgb(116, 206, 196)  
}
```

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(116, 206, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 206, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8411, 0.2594, 0.3428 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(116, 206, 196) }
```

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

```
.border{ border-color:rgb(116, 206, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 206, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 206, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 206, 196);  
box-shadow:4px 4px 4px 4px rgb(116, 206,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8411, 0.2594, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 206, 196) }
```

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

```
.background{ background-color: rgb(116,  
206, 196) }
```

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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