

# Converting Colors

$Y_{xy}(50.8681, 0.2758, 0.3504)$

Have a look what the booklet for  
Yxy(50.8681, 0.2758, 0.3504)  
contains.

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# Color

**$\text{Yxy}(51.0205, 0.2762, 0.3510)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	88CABA
RGB	136, 202, 186
RGB Percent	53%, 79%, 73%
CMY	0.4663, 0.2079, 0.2706
CMYK	0.33, 0.00, 0.08, 0.21
HSL	165°, 38%, 66%
HSV	165°, 33%, 79%
XYZ	40.1478, 51.0205, 54.1893
YIQ	180.4420, -34.2000, -18.9680

# Conversions

## Conversions Part 2

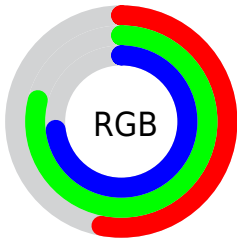
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 174, 202
Decimal	8964794
CIELab	76.69, -24.38, 1.32
CIElCh	77, 24.412, 176.905
Yxy	51.0205, 0.2762, 0.3510
Android (android.graphics.Color)	4287154874 (0xFF88CABA)
YUV	180.4420, 2.7401, -38.9756
Hunter-Lab	71.4286, -24.6710, 5.0197

# Details

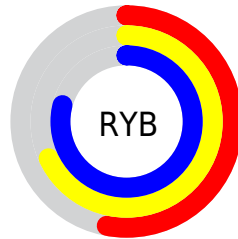
The Yxy color **51.0205, 0.2762, 0.3510** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4577, 0.3690, 0.3084**, and the grayscale version is **45.9015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0072, 0.2823, 0.3429**, and **24.7123, 0.2662, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **49.2815, 0.2670, 0.3590**, and if you desaturate by 10%, it is **53.0895, 0.2866, 0.3436**.

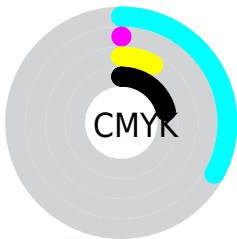
# Distribution



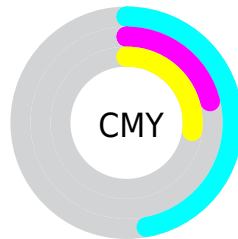
- Red (53%)
- Green (79%)
- Blue (73%)



- Red (53%)
- Yellow (68%)
- Blue (79%)



- Cyan (33%)
- Magenta (0%)
- Yellow (8%)
- Black (21%)




- Cyan (47%)
- Magenta (21%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0205, 0.2762, 0.3510 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 51.0205, 0.2762, 0.3510 by changing the saturation by 10% instead.





 51.0205, 0.2762,  
0.3510

 51.0205, 0.2762,  
0.3510


390.6434, 0.2942,  
0.3401


 36.2249, 0.2718,  
0.3537


 91.6851, 0.2827,  
0.3471

 24.6080, 0.2662,  
0.3571


 118.3229, 0.2851,  
0.3456

 15.7852, 0.2588,  
0.3616


 149.6768, 0.2872,  
0.3443

 9.3723, 0.2487,  
0.3679

186.1314, 0.2890,  
0.3433

 4.9848, 0.2340,  
0.3771

228.0710, 0.2905,  
0.3423

 2.2383, 0.2107,  
0.3919

275.8799, 0.2919,

 0.7408, 0.0697,

0.3415

0.4736

329.9426, 0.2931,  
0.3408

0.0000, 0.0000,  
0.0000

51.0205, 0.2762,  
0.3510

51.0205, 0.2762,  
0.3510

49.2815, 0.2670,  
0.3590

53.0895, 0.2866,  
0.3436

47.8484, 0.2592,  
0.3673

55.4989, 0.2978,  
0.3368

46.7034, 0.2532,  
0.3761


58.2663, 0.3096,  
0.3305

45.8243, 0.2490,  
0.3850

61.4062, 0.3217,  
0.3249

45.1858, 0.2467,  
0.3941

64.9323, 0.3339,  
0.3199


 44.7573, 0.2464,  
0.4030

 68.4221, 0.3442,  
0.3154

 44.5354, 0.2471,  
0.4096

 68.6784, 0.3405,  
0.3105

 68.9422, 0.3368,  
0.3056

 69.2138, 0.3331,  
0.3008

# Harmonies

## Analogous

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



51.0205, 0.3063, 0.3773



51.0205, 0.2762, 0.3510



51.0205, 0.2564, 0.3191

# Triad

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



51.0205, 0.2762, 0.3510



51.0205, 0.2843, 0.2756



51.0205, 0.3785, 0.3609

# Complementary

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



51.0205, 0.2762, 0.3510



32.4577, 0.3690, 0.3084

# 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.



51.0205, 0.3724, 0.3341



51.0205, 0.2762, 0.3510



51.0205, 0.3165, 0.2866

# Square

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



51.0205, 0.2762, 0.3510



51.0205, 0.2608, 0.2772



51.0205, 0.3492, 0.3076



51.0205, 0.3660, 0.3813



# Rectangle

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



51.0205, 0.2762, 0.3510



51.0205, 0.2510, 0.3001



51.0205, 0.3492, 0.3076



51.0205, 0.3786, 0.3523

# Sweetspot

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



51.0226, 0.2762, 0.3510



95.0885, 0.3007, 0.3351



50.7454, 0.3206, 0.4213



20.2160, 0.2990, 0.3361



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

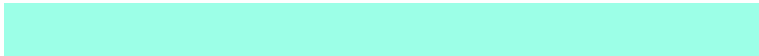


# Same Dimension

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



51.0226, 0.2762, 0.3510



84.3060, 0.2697, 0.3564



44.4185, 0.2638, 0.3061



12.6787, 0.3015, 0.3347



28.6765, 0.2468, 0.4084



1.4908, 0.2419, 0.3910



# Inverse Universe

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



32.4577, 0.3690, 0.3084



48.1679, 0.3865, 0.3039



36.9750, 0.3805, 0.3506



11.2575, 0.3253, 0.3234



8.2345, 0.5934, 0.3043



0.4372, 0.5364, 0.2729



# Previews

## White Background



This preview shows how the Yxy color 51.0205, 0.2762, 0.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

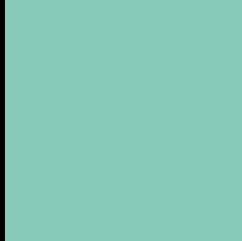
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0205, 0.2762, 0.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

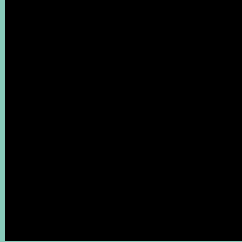
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

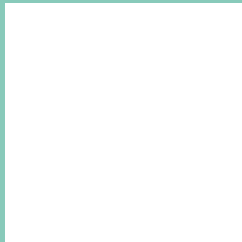
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.0205, 0.2762, 0.3510**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0205, 0.2762, 0.3510.

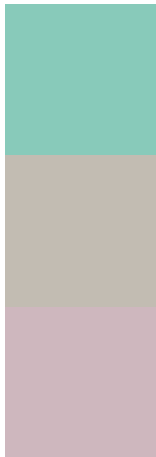


This preview shows how white text looks on a background with the Yxy color 51.0205, 0.2762, 0.3510.

# 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

51.0205, 0.2762, 0.3510

### Protanopia

50.6501, 0.3255, 0.3416

### Deuteranopia

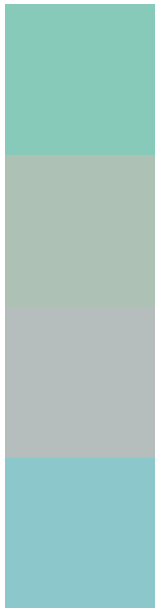
50.7065, 0.3268, 0.3206



## Tritanopia

50.9940, 0.2625, 0.3078

# Trichromacy



## Original Color

51.0205, 0.2762, 0.3510

## Protanomaly

50.3604, 0.3056, 0.3447

## Deuteranomaly

50.3248, 0.3062, 0.3303

## Tritanomaly

50.7819, 0.2673, 0.3222

# Monochromacy



## Original Color

51.0205, 0.2762, 0.3510

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

47.2364, 0.2978, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0205, 0.2762, 0.3510 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(136, 202, 186)` looks like.

```
.text, #text, p{  
    color:rgb(136, 202, 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(136, 202, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 202, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0205, 0.2762, 0.3510 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(136, 202, 186) }
```

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

```
.border{ border-color:rgb(136, 202, 186) }
```

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

Here you see how a box with a 4 pixel rgb(136, 202, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 202, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 202, 186);  
box-shadow:4px 4px 4px 4px rgb(136, 202,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0205, 0.2762, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 202, 186) }
```

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

```
.background{ background-color: rgb(136,  
202, 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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