

# Converting Colors

$Yxy(51.3325, 0.2654, 0.3183)$

Have a look what the booklet for  
Yxy(51.3325, 0.2654, 0.3183)  
contains.

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# Color

**Yxy(51.4381, 0.2651, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CC8D0
RGB	140, 200, 208
RGB Percent	55%, 78%, 82%
CMY	0.4511, 0.2157, 0.1842
CMYK	0.33, 0.04, 0.00, 0.18
HSL	187°, 42%, 68%
HSV	187°, 33%, 82%
XYZ	42.8543, 51.4381, 67.3610
YIQ	182.9720, -38.3280, -10.2320

# Conversions

## Conversions Part 2

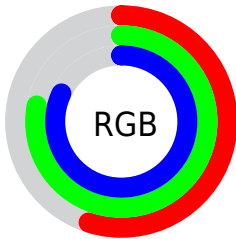
Format	Color
<a href="#">RYB</a>	<a href="#">140, 172, 208</a>
Decimal	<a href="#">9226448</a>
<a href="#">CIELab</a>	<a href="#">76.94, -17.22, -10.17</a>
<a href="#">CIElCh</a>	<a href="#">77, 19.995, 210.570</a>
<a href="#">Yxy</a>	<a href="#">51.4381, 0.2651, 0.3182</a>
Android ( <a href="#">android.graphics.Color</a> )	<a href="#">4287416528</a> ( <a href="#">0xFF8CC8D0</a> )
<a href="#">YUV</a>	<a href="#">182.9720, 12.3388, -37.6864</a>
<a href="#">Hunter-Lab</a>	<a href="#">71.7204, -18.8534, -5.4819</a>

# Details

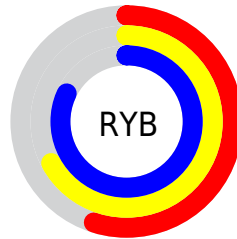
The Yxy color **51.4381, 0.2651, 0.3182** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4870, 0.3846, 0.3394**, and the grayscale version is **47.2840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **24.9171, 0.2528, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **48.6740, 0.2526, 0.3144**, and if you desaturate by 10%, it is **54.5661, 0.2788, 0.3218**.

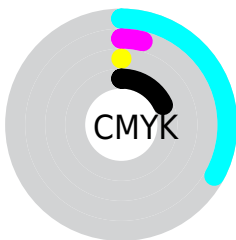
# Distribution



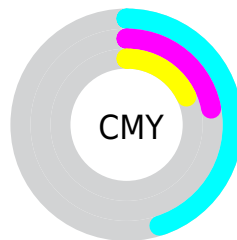
- Red (55%)
- Green (78%)
- Blue (82%)



- Red (55%)
- Yellow (67%)
- Blue (82%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (45%)
- Magenta (22%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4381, 0.2651, 0.3182 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 51.4381, 0.2651, 0.3182 by changing the saturation by 10% instead.




 51.4381, 0.2651,  
0.3182

 51.4381, 0.2651,  
0.3182


392.2635, 0.2882,  
0.3239


 36.5574, 0.2596,  
0.3167


 92.3020, 0.2733,  
0.3203

 24.8650, 0.2526,  
0.3147


 119.0540, 0.2764,  
0.3211

 15.9765, 0.2436,  
0.3120


 150.5319, 0.2791,  
0.3218

 9.5075, 0.2314,  
0.3081

187.1201, 0.2814,  
0.3223

 5.0737, 0.2142,  
0.3020

229.2030, 0.2834,  
0.3228

 2.2906, 0.1881,  
0.2916

277.1649, 0.2852,

 0.7687, 0.1127,

0.3232

0.2793

331.3903, 0.2868,  
0.3236

0.0000, 0.0000,  
0.0000

51.4381, 0.2651,  
0.3182

51.4381, 0.2651,  
0.3182

48.6740, 0.2526,  
0.3144

54.5661, 0.2788,  
0.3218

46.2483, 0.2417,  
0.3104

58.0696, 0.2933,  
0.3251

44.1418, 0.2324,  
0.3064

61.9675, 0.3085,  
0.3282

42.3304, 0.2251,  
0.3023

66.2754, 0.3240,  
0.3310

40.7870, 0.2196,  
0.2981

71.0078, 0.3396,  
0.3335

■ 39.4784, 0.2160,  
0.2940

■ 74.2734, 0.3476,  
0.3359

■ 38.6307, 0.2142,  
0.2911

■ 75.5296, 0.3472,  
0.3384

■ 76.8045, 0.3467,  
0.3409

■ 78.0984, 0.3463,  
0.3433

# Harmonies

## Analogous

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



51.4381, 0.2803, 0.3439



51.4381, 0.2651, 0.3182



51.4381, 0.2621, 0.2971

# Triad

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



51.4381, 0.2651, 0.3182



51.4381, 0.3193, 0.2957



51.4381, 0.3542, 0.3733

# Complementary

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



51.4381, 0.2651, 0.3182



36.4870, 0.3846, 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.



51.4381, 0.3659, 0.3580



51.4381, 0.2651, 0.3182



51.4381, 0.3454, 0.3140

# Square

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



51.4381, 0.2651, 0.3182



51.4381, 0.2925, 0.2854



51.4381, 0.3627, 0.3364



51.4381, 0.3315, 0.3768



# Rectangle

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



51.4381, 0.2651, 0.3182



51.4381, 0.2673, 0.2882



51.4381, 0.3627, 0.3364



51.4381, 0.3596, 0.3692

# Sweetspot

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



51.4401, 0.2651, 0.3182



93.5774, 0.2972, 0.3260



52.8342, 0.3032, 0.4138



19.8474, 0.2951, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

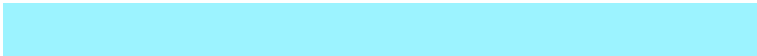


# Same Dimension

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



51.4401, 0.2651, 0.3182



78.5099, 0.2565, 0.3157



37.4250, 0.2592, 0.2706



13.1592, 0.2983, 0.3262



24.1628, 0.2144, 0.2917



1.4199, 0.2164, 0.2991



# Inverse Universe

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



36.3345, 0.3241, 0.2570



51.3740, 0.3269, 0.2424



48.7389, 0.3711, 0.3810



11.9841, 0.3156, 0.3087



10.5105, 0.3528, 0.1717

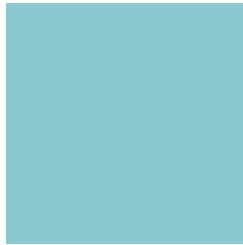


0.5946, 0.3462, 0.1681



# Previews

## White Background



This preview shows how the Yxy color 51.4381, 0.2651, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

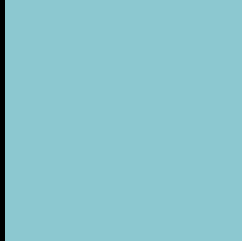
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4381, 0.2651, 0.3182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

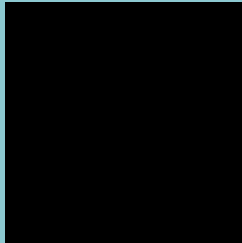
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

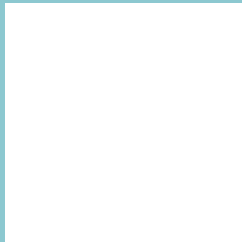
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4381, 0.2651, 0.3182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4381, 0.2651, 0.3182.



This preview shows how white text looks on a background with the Yxy color 51.4381, 0.2651, 0.3182.

# 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

51.4381, 0.2651, 0.3182

### Protanopia

51.0023, 0.3037, 0.3129

### Deuteranopia

50.8544, 0.3028, 0.2966



## Tritanopia

51.5039, 0.2621, 0.3079

# Trichromacy



## Original Color

51.4381, 0.2651, 0.3182

## Protanomaly

50.7168, 0.2878, 0.3136

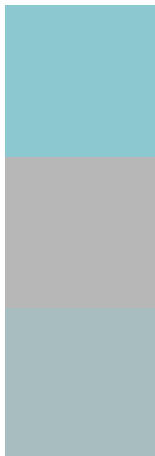
## Deuteranomaly

50.7102, 0.2873, 0.3038

## Tritanomaly

51.2630, 0.2632, 0.3117

# Monochromacy



## Original Color

51.4381, 0.2651, 0.3182

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.4165, 0.2930, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4381, 0.2651, 0.3182 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(140, 200, 208)` looks like.

```
.text, #text, p{  
    color:rgb(140, 200, 208)  
}
```

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(140, 200, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 200, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4381, 0.2651, 0.3182 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(140, 200, 208) }
```

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

```
.border{ border-color:rgb(140, 200, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 200, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 200, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 200, 208);  
box-shadow:4px 4px 4px 4px rgb(140, 200,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4381, 0.2651, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 200, 208) }
```

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

```
.background{ background-color: rgb(140,  
200, 208) }
```

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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