

# Converting Colors

Yxy(51.5823, 0.2641, 0.3226)

Have a look what the booklet for  
Yxy(51.5823, 0.2641, 0.3226)  
contains.

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# Color

**Yxy(51.4638, 0.2640, 0.3222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88C9CE
RGB	136, 201, 206
RGB Percent	53%, 79%, 81%
CMY	0.4670, 0.2117, 0.1922
CMYK	0.34, 0.02, 0.00, 0.19
HSL	184°, 42%, 67%
HSV	184°, 34%, 81%
XYZ	42.1677, 51.4638, 66.0947
YIQ	182.1350, -40.3450, -12.2250

# Conversions

## Conversions Part 2

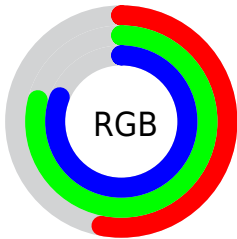
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 170, 206
Decimal	8964558
CIELab	76.96, -19.34, -9.07
CIELCh	77, 21.362, 205.119
Yxy	51.4638, 0.2640, 0.3222
Android (android.graphics.Color)	4287154638 (0xFF88C9CE)
YUV	182.1350, 11.7654, -40.4604
Hunter-Lab	71.7383, -20.6197, -4.4089

# Details

The Yxy color **51.4638, 0.2640, 0.3222** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.9072, 0.3899, 0.3356**, and the grayscale version is **46.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **24.9283, 0.2511, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **49.2278, 0.2522, 0.3199**, and if you desaturate by 10%, it is **54.0417, 0.2772, 0.3244**.

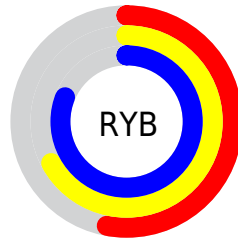
# Distribution



Red (53%)

Green (79%)

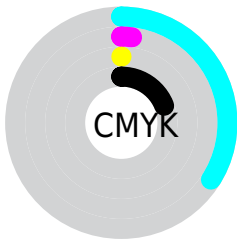
Blue (81%)



Red (53%)

Yellow (67%)

Blue (81%)

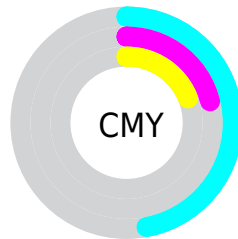


Cyan (34%)

Magenta (2%)

Yellow (0%)

Black (19%)



Cyan (47%)

Magenta (21%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4638, 0.2640, 0.3222 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 51.4638, 0.2640, 0.3222 by changing the saturation by 10% instead.




 51.4638, 0.2640,  
0.3222


 51.4638, 0.2640,  
0.3222


392.3631, 0.2876,  
0.3260

 36.5779, 0.2583,  
0.3212


 92.3400, 0.2724,  
0.3237

 24.8808, 0.2512,  
0.3198


 119.0990, 0.2756,  
0.3242

 15.9883, 0.2420,  
0.3178


 150.5845, 0.2783,  
0.3246

 9.5159, 0.2295,  
0.3149

187.1809, 0.2807,  
0.3250

 5.0792, 0.2119,  
0.3103

229.2725, 0.2827,  
0.3253

 2.2938, 0.1851,  
0.3021

277.2439, 0.2846,

 0.7704, 0.1001,

0.3255

0.2965

331.4792, 0.2862,  
0.3258

0.0000, 0.0000,  
0.0000

51.4638, 0.2640,  
0.3222

51.4638, 0.2640,  
0.3222

49.2278, 0.2522,  
0.3199

54.0417, 0.2772,  
0.3244

47.3085, 0.2420,  
0.3176

56.9729, 0.2915,  
0.3264

45.6869, 0.2336,  
0.3152

60.2758, 0.3065,  
0.3283

44.3395, 0.2271,  
0.3127

63.9656, 0.3220,  
0.3300

43.2389, 0.2225,  
0.3103

68.0569, 0.3378,  
0.3316

■ 42.3522, 0.2196,  
0.3080

■ 71.6997, 0.3500,  
0.3330

■ 41.8890, 0.2185,  
0.3066

■ 72.4227, 0.3498,  
0.3345

■ 73.1522, 0.3495,  
0.3360

■ 73.8884, 0.3492,  
0.3374

# Harmonies

## Analogous

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



51.4638, 0.2822, 0.3498



51.4638, 0.2640, 0.3222



51.4638, 0.2584, 0.2983

# Triad

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



51.4638, 0.2640, 0.3222



51.4638, 0.3143, 0.2909



51.4638, 0.3604, 0.3740

# Complementary

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



51.4638, 0.2640, 0.3222



33.9072, 0.3899, 0.3356

# 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.



51.4638, 0.3702, 0.3559



51.4638, 0.2640, 0.3222



51.4638, 0.3430, 0.3090

# Square

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



51.4638, 0.2640, 0.3222



51.4638, 0.2864, 0.2818



51.4638, 0.3638, 0.3323



51.4638, 0.3377, 0.3806



# Rectangle

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



51.4638, 0.2640, 0.3222



51.4638, 0.2622, 0.2875



51.4638, 0.3638, 0.3323



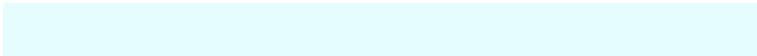
51.4638, 0.3653, 0.3690

# Sweetspot

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



51.4658, 0.2640, 0.3222



94.3331, 0.2972, 0.3272



51.2737, 0.3050, 0.4229



20.0316, 0.2951, 0.3269



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.



51.4658, 0.2640, 0.3222



80.6314, 0.2550, 0.3205



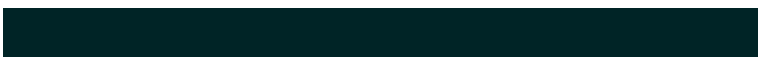
37.0549, 0.2576, 0.2730



12.5856, 0.2984, 0.3273



25.8574, 0.2186, 0.3069



1.3756, 0.2199, 0.3115



# Inverse Universe

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



34.9204, 0.3214, 0.2506



49.9686, 0.3236, 0.2340



45.7967, 0.3752, 0.3790



11.3895, 0.3148, 0.3077



10.4133, 0.3394, 0.1643

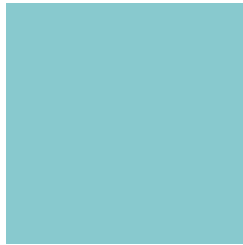


0.5414, 0.3354, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 51.4638, 0.2640, 0.3222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

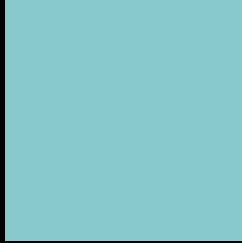
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4638, 0.2640, 0.3222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

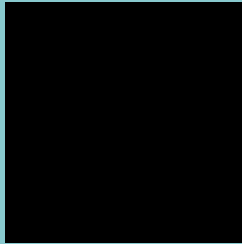
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

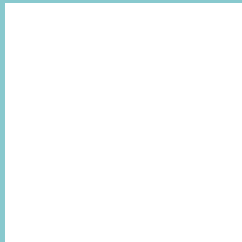
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.4638, 0.2640, 0.3222**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4638, 0.2640, 0.3222.



This preview shows how white text looks on a background with the Yxy color 51.4638, 0.2640, 0.3222.

# 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

51.4638, 0.2640, 0.3222

### Protanopia

50.9908, 0.3068, 0.3166

### Deuteranopia

50.9399, 0.3043, 0.2978



## Tritanopia

51.6697, 0.2593, 0.3078

# Trichromacy



## Original Color

51.4638, 0.2640, 0.3222

## Protanomaly

50.9030, 0.2892, 0.3187

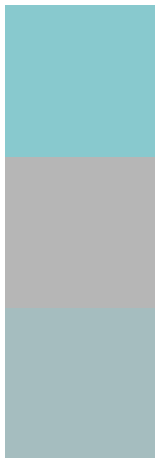
## Deuteranomaly

50.5443, 0.2872, 0.3050

## Tritanomaly

51.3804, 0.2610, 0.3129

# Monochromacy



## Original Color

51.4638, 0.2640, 0.3222

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

48.1561, 0.2922, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4638, 0.2640, 0.3222 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, 201, 206)` looks like.

```
.text, #text, p{  
    color:rgb(136, 201, 206)  
}
```

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, 201, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 201, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4638, 0.2640, 0.3222 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, 201, 206) }
```

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

```
.border{ border-color:rgb(136, 201, 206) }
```

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

Here you see how a box with a 4 pixel rgb(136, 201, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 201, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 201, 206);  
box-shadow:4px 4px 4px 4px rgb(136, 201,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4638, 0.2640, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 201, 206) }
```

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

```
.background{ background-color: rgb(136,  
201, 206) }
```

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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