

# Converting Colors

$Y_{xy}(51.4289, 0.2776, 0.3226)$

Have a look what the booklet for  
Yxy(51.4289, 0.2776, 0.3226)  
contains.

<b>Yxy(51.6210, 0.2782, 0.3237)</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(51.6210, 0.2782, 0.3237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC6CA
RGB	155, 198, 202
RGB Percent	61%, 78%, 79%
CMY	0.3923, 0.2235, 0.2079
CMYK	0.23, 0.02, 0.00, 0.21
HSL	185°, 31%, 70%
HSV	185°, 23%, 79%
XYZ	44.3650, 51.6210, 63.4857
YIQ	185.5990, -26.9120, -7.8720

# Conversions

## Conversions Part 2

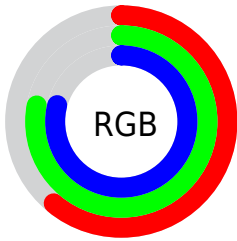
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	155, 177, 202
Decimal	10208970
CIE Lab	77.05, -13.24, -6.65
CIE LCh	77, 14.812, 206.663
Yxy	51.6210, 0.2782, 0.3237
Android (android.graphics.Color)	4288399050 (0xFF9BC6CA)
YUV	185.5990, 8.0857, -26.8353
Hunter-Lab	71.8478, -15.5122, -2.0961

# Details

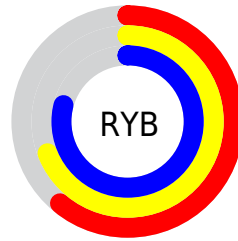
The Yxy color **51.6210, 0.2782, 0.3237** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6905, 0.3592, 0.3342**, and the grayscale version is **48.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **24.9094, 0.2686, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **49.0159, 0.2648, 0.3211**, and if you desaturate by 10%, it is **54.5732, 0.2926, 0.3261**.

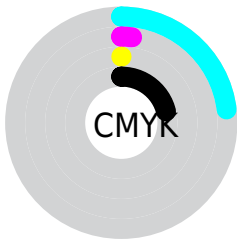
# Distribution



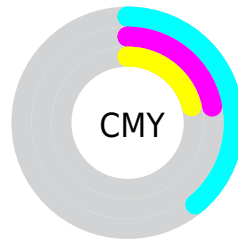
- Red (61%)
- Green (78%)
- Blue (79%)



- Red (61%)
- Yellow (69%)
- Blue (79%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)




- Cyan (39%)
- Magenta (22%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6210, 0.2782, 0.3237 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 51.6210, 0.2782, 0.3237 by changing the saturation by 10% instead.




 51.6210, 0.2782,  
0.3237

 51.6210, 0.2782,  
0.3237

392.9717, 0.2950,  
0.3265

 36.7031, 0.2741,  
0.3229

 92.5721, 0.2842,  
0.3248

 24.9777, 0.2690,  
0.3220


 119.3740, 0.2865,  
0.3252

 16.0604, 0.2623,  
0.3206


150.9060, 0.2884,  
0.3255

 9.5669, 0.2532,  
0.3186

187.5525, 0.2901,  
0.3258

 5.1128, 0.2402,  
0.3155

229.6980, 0.2916,  
0.3260

 2.3136, 0.2199,  
0.3100

277.7267, 0.2928,

 0.7809, 0.1638,

0.3262

0.3051

332.0232, 0.2940,  
0.3264

0.0000, 0.0000,  
0.0000

51.6210, 0.2782,  
0.3237

51.6210, 0.2782,  
0.3237

49.0159, 0.2648,  
0.3211

54.5732, 0.2926,  
0.3261

46.7351, 0.2528,  
0.3184

57.8818, 0.3077,  
0.3283

44.7625, 0.2423,  
0.3156

61.5633, 0.3232,  
0.3303

43.0782, 0.2336,  
0.3128

65.6314, 0.3389,  
0.3322

41.6600, 0.2268,  
0.3099

69.9174, 0.3537,  
0.3338

■ 40.4823, 0.2218,  
0.3070

■ 70.7439, 0.3534,  
0.3355

■ 39.5142, 0.2187,  
0.3041

■ 71.5793, 0.3530,  
0.3373

■ 38.9433, 0.2173,  
0.3023

■ 72.4236, 0.3527,  
0.3390

■ 73.2769, 0.3523,  
0.3407

# Harmonies

## Analogous

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



51.6210, 0.2908, 0.3424



51.6210, 0.2782, 0.3237



51.6210, 0.2746, 0.3073

# Triad

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



51.6210, 0.2782, 0.3237



51.6210, 0.3151, 0.3026



51.6210, 0.3452, 0.3608

# Complementary

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



51.6210, 0.2782, 0.3237



39.6905, 0.3592, 0.3342

# 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.



51.6210, 0.3523, 0.3490



51.6210, 0.2782, 0.3237



51.6210, 0.3347, 0.3159

# Square

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



51.6210, 0.2782, 0.3237



51.6210, 0.2954, 0.2959



51.6210, 0.3485, 0.3326



51.6210, 0.3293, 0.3643



# Rectangle

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



51.6210, 0.2782, 0.3237



51.6210, 0.2777, 0.2998



51.6210, 0.3485, 0.3326



51.6210, 0.3487, 0.3577

# Sweetspot

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



51.6231, 0.2782, 0.3237



95.8146, 0.3018, 0.3275



51.6937, 0.3070, 0.3883



20.4342, 0.3009, 0.3274



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.



51.6231, 0.2782, 0.3237



85.1029, 0.2712, 0.3224



41.7154, 0.2757, 0.2918



12.5590, 0.2984, 0.3270



25.1310, 0.2174, 0.3026



1.3452, 0.2189, 0.3082



# Inverse Universe

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



40.0633, 0.3189, 0.2762



62.2136, 0.3205, 0.2645



48.5338, 0.3526, 0.3636



11.3868, 0.3150, 0.3080



10.3400, 0.3431, 0.1664



0.5383, 0.3383, 0.1637



# Previews

## White Background



This preview shows how the Yxy color 51.6210, 0.2782, 0.3237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

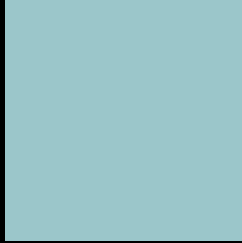
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.6210, 0.2782, 0.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

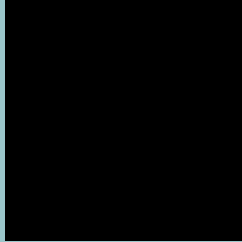
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

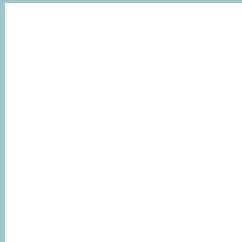
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.6210, 0.2782, 0.3237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.6210, 0.2782, 0.3237.



This preview shows how white text looks on a background with the Yxy color 51.6210, 0.2782, 0.3237.

# 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

51.6210, 0.2782, 0.3237

### Protanopia

51.4571, 0.3091, 0.3203

### Deuteranopia

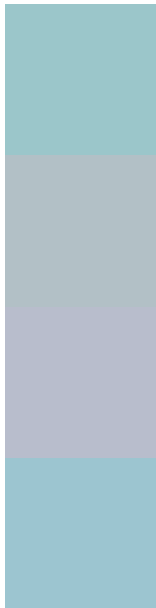
51.1063, 0.3106, 0.3038



## Tritanopia

51.4014, 0.2731, 0.3083

# Trichromacy



## Original Color

51.6210, 0.2782, 0.3237

## Protanomaly

51.2415, 0.2973, 0.3213

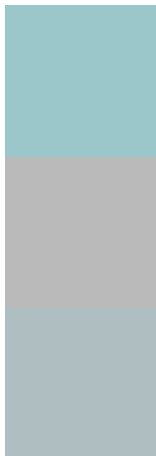
## Deuteranomaly

50.9452, 0.2976, 0.3103

## Tritanomaly

51.5545, 0.2750, 0.3146

# Monochromacy



## Original Color

51.6210, 0.2782, 0.3237

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.7466, 0.2992, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6210, 0.2782, 0.3237 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(155, 198, 202)` looks like.

```
.text, #text, p{  
    color:rgb(155, 198, 202)  
}
```

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(155, 198, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 198, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6210, 0.2782, 0.3237 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(155, 198, 202) }
```

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

```
.border{ border-color:rgb(155, 198, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 198, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 198, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 198, 202);  
box-shadow:4px 4px 4px 4px rgb(155, 198,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6210, 0.2782, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 198, 202) }
```

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

```
.background{ background-color: rgb(155,  
198, 202) }
```

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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