

# Converting Colors

Yxy(51.5885, 0.2750, 0.3198)

Have a look what the booklet for  
Yxy(51.5885, 0.2750, 0.3198)  
contains.

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# Color

**Yxy(51.5682, 0.2750, 0.3197)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99C6CD
RGB	153, 198, 205
RGB Percent	60%, 78%, 80%
CMY	0.3998, 0.2236, 0.1961
CMYK	0.25, 0.03, 0.00, 0.20
HSL	188°, 34%, 70%
HSV	188°, 25%, 80%
XYZ	44.3580, 51.5682, 65.3756
YIQ	185.3430, -29.0670, -7.3630

# Conversions

## Conversions Part 2

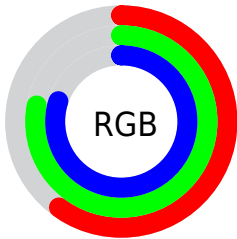
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 177, 205
Decimal	10077901
CIELab	77.02, -13.12, -8.34
CIElCh	77, 15.549, 212.452
Yxy	51.5682, 0.2750, 0.3197
Android (android.graphics.Color)	4288267981 (0xFF99C6CD)
YUV	185.3430, 9.6909, -28.3648
Hunter-Lab	71.8110, -15.4089, -3.7090

# Details

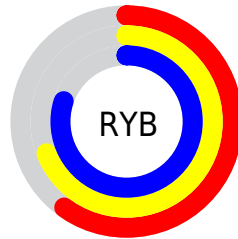
The Yxy color **51.5682, 0.2750, 0.3197** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4464, 0.3637, 0.3381**, and the grayscale version is **48.6804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **24.8902, 0.2645, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **48.4895, 0.2615, 0.3155**, and if you desaturate by 10%, it is **55.0170, 0.2894, 0.3236**.

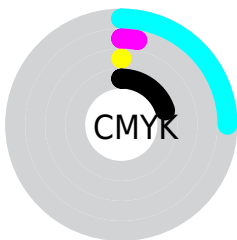
# Distribution



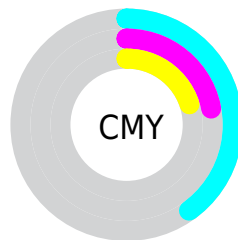
- Red (60%)
- Green (78%)
- Blue (80%)



- Red (60%)
- Yellow (69%)
- Blue (80%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)




- Cyan (40%)
- Magenta (22%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5682, 0.2750, 0.3197 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 51.5682, 0.2750, 0.3197 by changing the saturation by 10% instead.





 51.5682, 0.2750,  
0.3197


 51.5682, 0.2750,  
0.3197


392.7673, 0.2933,  
0.3245

 36.6610, 0.2706,  
0.3184


 92.4941, 0.2815,  
0.3215

 24.9451, 0.2650,  
0.3168


 119.2816, 0.2840,  
0.3222

 16.0362, 0.2577,  
0.3146


150.7980, 0.2861,  
0.3227

 9.5498, 0.2479,  
0.3114

187.4277, 0.2880,  
0.3232

 5.1015, 0.2338,  
0.3066

229.5551, 0.2896,  
0.3236

 2.3069, 0.2121,  
0.2983

277.5646, 0.2910,

 0.7774, 0.1548,

0.3239

0.2874

331.8405, 0.2922,  
0.3243

0.0000, 0.0000,  
0.0000

51.5682, 0.2750,  
0.3197

51.5682, 0.2750,  
0.3197

48.4895, 0.2615,  
0.3155

55.0170, 0.2894,  
0.3236

45.7569, 0.2493,  
0.3111

58.8459, 0.3045,  
0.3272

43.3533, 0.2385,  
0.3065

63.0724, 0.3199,  
0.3305

41.2576, 0.2295,  
0.3018

67.7109, 0.3354,  
0.3334

39.4460, 0.2224,  
0.2970

72.6694, 0.3504,  
0.3361

■ 37.8908, 0.2172,  
0.2923

■ 74.0635, 0.3498,  
0.3389

■ 36.5582, 0.2138,  
0.2876

■ 75.4813, 0.3493,  
0.3417

■ 35.9836, 0.2126,  
0.2854

■ 76.9231, 0.3488,  
0.3445

■ 78.3889, 0.3483,  
0.3472

# Harmonies

## Analogous

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



51.5682, 0.2865, 0.3394



51.5682, 0.2750, 0.3197



51.5682, 0.2732, 0.3035

# Triad

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



51.5682, 0.2750, 0.3197



51.5682, 0.3194, 0.3036



51.5682, 0.3442, 0.3639

# Complementary

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



51.5682, 0.2750, 0.3197



40.4464, 0.3637, 0.3381

# 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.



51.5682, 0.3537, 0.3529



51.5682, 0.2750, 0.3197



51.5682, 0.3392, 0.3184

# Square

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



51.5682, 0.2750, 0.3197



51.5682, 0.2983, 0.2950



51.5682, 0.3520, 0.3362



51.5682, 0.3262, 0.3656



# Rectangle

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



51.5682, 0.2750, 0.3197



51.5682, 0.2778, 0.2967



51.5682, 0.3520, 0.3362



51.5682, 0.3485, 0.3611

# Sweetspot

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



51.5703, 0.2750, 0.3197



94.5897, 0.3003, 0.3262



52.9800, 0.3047, 0.3907



20.0385, 0.2980, 0.3257



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.



51.5703, 0.2750, 0.3197



81.8517, 0.2681, 0.3176



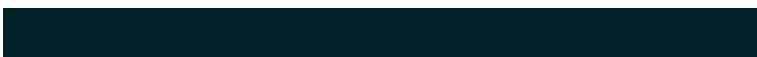
40.7299, 0.2718, 0.2843



12.4587, 0.2983, 0.3258



22.5020, 0.2128, 0.2861



1.2341, 0.2154, 0.2952



# Inverse Universe

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



39.8570, 0.3219, 0.2744



59.8728, 0.3241, 0.2633



50.3810, 0.3560, 0.3699



11.3767, 0.3158, 0.3092



10.0746, 0.3579, 0.1745

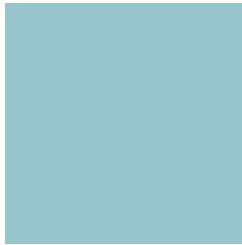


0.5271, 0.3496, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 51.5682, 0.2750, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

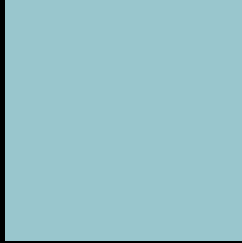
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5682, 0.2750, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

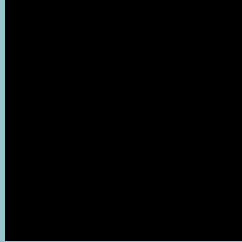
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

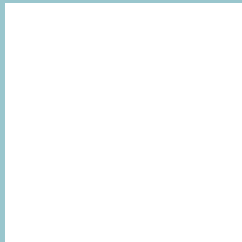
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.5682, 0.2750, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5682, 0.2750, 0.3197.

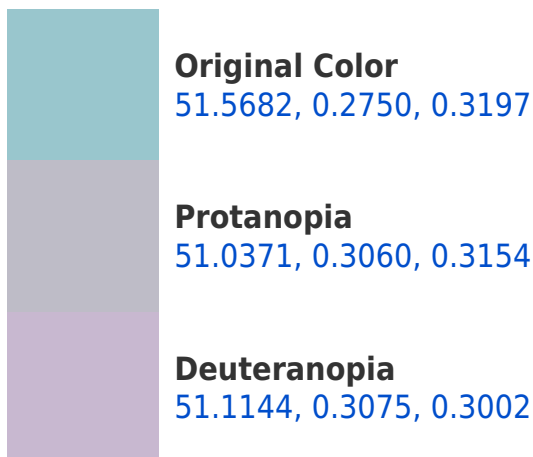


This preview shows how white text looks on a background with the Yxy color 51.5682, 0.2750, 0.3197.

# 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

51.7052, 0.2712, 0.3083

# Trichromacy



## Original Color

51.5682, 0.2750, 0.3197

## Protanomaly

51.2634, 0.2944, 0.3175

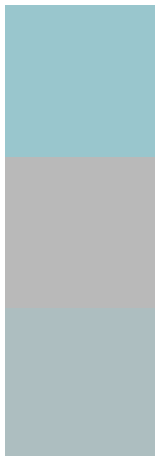
## Deuteranomaly

50.9675, 0.2947, 0.3066

## Tritanomaly

51.4557, 0.2724, 0.3120

# Monochromacy



## Original Color

51.5682, 0.2750, 0.3197

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.5169, 0.2977, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5682, 0.2750, 0.3197 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(153, 198, 205)` looks like.

```
.text, #text, p{  
    color:rgb(153, 198, 205)  
}
```

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(153, 198, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 198, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5682, 0.2750, 0.3197 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(153, 198, 205) }
```

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

```
.border{ border-color:rgb(153, 198, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 198, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 198, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 198, 205);  
box-shadow:4px 4px 4px 4px rgb(153, 198,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5682, 0.2750, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 198, 205) }
```

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

```
.background{ background-color: rgb(153,  
198, 205) }
```

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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