

# Converting Colors

$Yxy(51.5579, 0.2923, 0.3840)$

Have a look what the booklet for  
Yxy(51.5579, 0.2923, 0.3840)  
contains.

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# Color

**Yxy(51.4778, 0.2922, 0.3837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CCCA5
RGB	140, 204, 165
RGB Percent	55%, 80%, 65%
CMY	0.4510, 0.2000, 0.3528
CMYK	0.31, 0.00, 0.19, 0.20
HSL	143°, 39%, 67%
HSV	143°, 31%, 80%
XYZ	39.2020, 51.4778, 43.4818
YIQ	180.4180, -25.6250, -25.6970

# Conversions

## Conversions Part 2

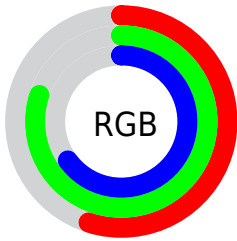
Format	Color
<a href="#">RYB</a>	<a href="#">140, 186, 204</a>
Decimal	<a href="#">9227429</a>
CIELab	<a href="#">76.97, -28.54, 13.01</a>
CIELCh	<a href="#">77, 31.361, 155.494</a>
Yxy	<a href="#">51.4778, 0.2922, 0.3837</a>
Android (android.graphics.Color)	<a href="#">4287417509</a> ( <a href="#">0xFF8CCCA5</a> )
YUV	<a href="#">180.4180, -7.6011, -35.4466</a>
Hunter-Lab	<a href="#">71.7480, -28.0294, 14.2918</a>

# Details

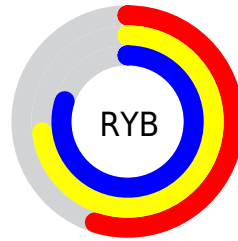
The Yxy color **51.4778, 0.2922, 0.3837** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.8482, 0.3410, 0.2802**, and the grayscale version is **45.9326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2894, 0.2960, 0.3671**, and **24.7134, 0.2856, 0.3997** is the 20% darker color. If you saturate the color by 10%, you get **49.4382, 0.2866, 0.4049**, and if you desaturate by 10%, it is **53.8941, 0.2984, 0.3643**.

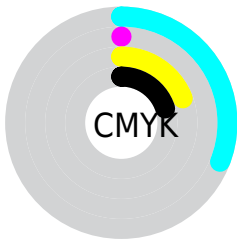
# Distribution



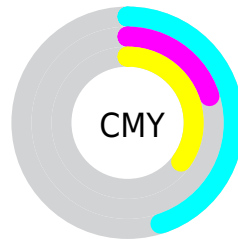
- Red (55%)
- Green (80%)
- Blue (65%)



- Red (55%)
- Yellow (73%)
- Blue (80%)



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)




- Cyan (45%)
- Magenta (20%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4778, 0.2922, 0.3837 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 51.4778, 0.2922, 0.3837 by changing the saturation by 10% instead.





 51.4778, 0.2922,  
0.3837


 51.4778, 0.2922,  
0.3837

392.4173, 0.3028,  
0.3558


 36.5890, 0.2895,  
0.3908


 92.3607, 0.2961,  
0.3734

 24.8894, 0.2859,  
0.4001


 119.1235, 0.2976,  
0.3696

 15.9947, 0.2810,  
0.4126


 150.6131, 0.2988,  
0.3664

 9.5204, 0.2741,  
0.4304

187.2140, 0.2998,  
0.3637

 5.0821, 0.2633,  
0.4576

229.3104, 0.3007,  
0.3613

 2.2955, 0.2445,  
0.5039

277.2869, 0.3015,

 0.7713, 0.0452,

0.3592

0.9548

331.5277, 0.3022,  
0.3574

0.0000, 0.0000,  
0.0000

51.4778, 0.2922,  
0.3837

51.4778, 0.2922,  
0.3837

49.4382, 0.2866,  
0.4049

53.8941, 0.2984,  
0.3643

47.7495, 0.2821,  
0.4275

56.6987, 0.3050,  
0.3467

46.3926, 0.2788,  
0.4510

59.9106, 0.3118,  
0.3310


45.3438, 0.2772,  
0.4748

63.5454, 0.3185,  
0.3171


44.5763, 0.2774,  
0.4979

67.6183, 0.3251,  
0.3049

 44.0580, 0.2795,  
0.5196

 70.7118, 0.3260,  
0.2936

 43.7624, 0.2824,  
0.5365

 71.4738, 0.3171,  
0.2819

 71.6664, 0.3151,  
0.2792

# Harmonies

## Analogous

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



51.4778, 0.3342, 0.4043



51.4778, 0.2922, 0.3837



51.4778, 0.2573, 0.3453

# Triad

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



51.4778, 0.2922, 0.3837



51.4778, 0.2539, 0.2612



51.4778, 0.3942, 0.3446

# Complementary

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



51.4778, 0.2922, 0.3837



34.8482, 0.3410, 0.2802

# 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.



51.4778, 0.3698, 0.3106



51.4778, 0.2922, 0.3837



51.4778, 0.2871, 0.2644

# Square

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



51.4778, 0.2922, 0.3837



51.4778, 0.2364, 0.2747



51.4778, 0.3296, 0.2821



51.4778, 0.3946, 0.3773



# Rectangle

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



51.4778, 0.2922, 0.3837



51.4778, 0.2422, 0.3174



51.4778, 0.3296, 0.2821



51.4778, 0.3885, 0.3330

# Sweetspot

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



51.4799, 0.2922, 0.3837



95.0366, 0.3065, 0.3430



54.7196, 0.3392, 0.4122



20.1815, 0.3055, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

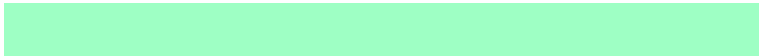


# Same Dimension

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



51.4799, 0.2922, 0.3837



82.7846, 0.2882, 0.3986



52.7721, 0.2725, 0.3389



12.6084, 0.3064, 0.3434



27.5612, 0.2816, 0.5338



1.4366, 0.2705, 0.4937



# Inverse Universe

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



34.8482, 0.3410, 0.2802



50.7630, 0.3497, 0.2688



33.7160, 0.3751, 0.3195



11.3265, 0.3197, 0.3150



9.0182, 0.4491, 0.2248



0.4799, 0.4176, 0.2074



# Previews

## White Background



This preview shows how the Yxy color 51.4778, 0.2922, 0.3837 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 51.4778, 0.2922, 0.3837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

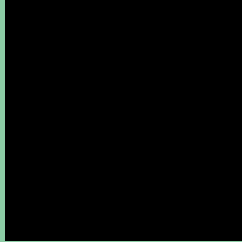
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4778, 0.2922, 0.3837**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4778, 0.2922, 0.3837.



This preview shows how white text looks on a background with the Yxy color 51.4778, 0.2922, 0.3837.

# 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

51.4778, 0.2922, 0.3837

### Protanopia

51.1089, 0.3475, 0.3692

### Deuteranopia

50.8052, 0.3516, 0.3435



## **Tritanopia**

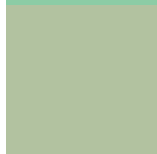
51.2206, 0.2680, 0.3081

# Trichromacy



## Original Color

51.4778, 0.2922, 0.3837



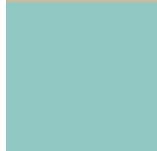
## Protanomaly

50.5866, 0.3252, 0.3739



## Deuteranomaly

50.3454, 0.3281, 0.3573



## Tritanomaly

51.4051, 0.2762, 0.3343

# Monochromacy



## Original Color

51.4778, 0.2922, 0.3837



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

47.4897, 0.3037, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4778, 0.2922, 0.3837 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, 204, 165)` looks like.

```
.text, #text, p{  
    color:rgb(140, 204, 165)  
}
```

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, 204, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 204, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4778, 0.2922, 0.3837 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, 204, 165) }
```

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

```
.border{ border-color:rgb(140, 204, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 204, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 204, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 204, 165);  
box-shadow:4px 4px 4px 4px rgb(140, 204,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4778, 0.2922, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 204, 165) }
```

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

```
.background{ background-color: rgb(140,  
204, 165) }
```

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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