

# Converting Colors

$Yxy(58.0383, 0.2948, 0.3686)$

Have a look what the booklet for  
Yxy(58.0383, 0.2948, 0.3686)  
contains.

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# Color

**Yxy(57.8353, 0.2946, 0.3681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD4B6
RGB	159, 212, 182
RGB Percent	62%, 83%, 71%
CMY	0.3765, 0.1686, 0.2861
CMYK	0.25, 0.00, 0.14, 0.17
HSL	146°, 38%, 73%
HSV	146°, 25%, 83%
XYZ	46.2871, 57.8353, 52.9961
YIQ	192.7330, -21.9580, -20.5660

# Conversions

## Conversions Part 2

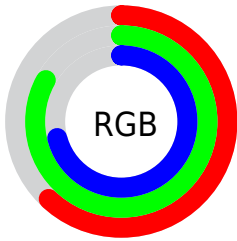
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 196, 212
Decimal	10474678
CIELab	80.65, -23.20, 9.31
CIELCh	81, 25.002, 158.137
Yxy	57.8353, 0.2946, 0.3681
Android (android.graphics.Color)	4288664758 (0xFF9FD4B6)
YUV	192.7330, -5.2914, -29.5838
Hunter-Lab	76.0495, -24.4437, 11.9177

# Details

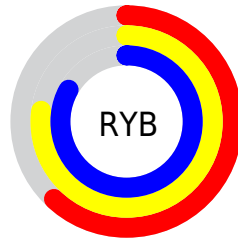
The Yxy color **57.8353, 0.2946, 0.3681** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.4660, 0.3362, 0.2930**, and the grayscale version is **53.2069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1401, 0.2980, 0.3466**, and **28.7631, 0.2894, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **55.3783, 0.2881, 0.3867**, and if you desaturate by 10%, it is **60.7113, 0.3017, 0.3512**.

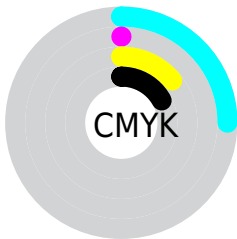
# Distribution



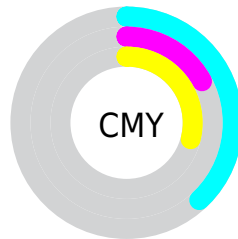
- Red (62%)
- Green (83%)
- Blue (71%)



- Red (62%)
- Yellow (77%)
- Blue (83%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (17%)




- Cyan (38%)
- Magenta (17%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8353, 0.2946, 0.3681 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 57.8353, 0.2946, 0.3681 by changing the saturation by 10% instead.





 57.8353, 0.2946,  
0.3681


 57.8353, 0.2946,  
0.3681


416.5719, 0.3036,  
0.3487

 41.6763, 0.2924,  
0.3729


 101.6830, 0.2979,  
0.3611

 28.8479, 0.2895,  
0.3790


 130.1404, 0.2991,  
0.3585

 18.9658, 0.2858,  
0.3871


163.4661, 0.3001,  
0.3562

 11.6455, 0.2806,  
0.3983

202.0444, 0.3010,  
0.3543

 6.5028, 0.2729,  
0.4148

246.2597, 0.3018,  
0.3526

 3.1532, 0.2605,  
0.4415

296.4965, 0.3025,

 1.2122, 0.2309,

0.3512

0.5054

353.1391, 0.3031,  
0.3499

0.0716, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.8353, 0.2946,  
0.3681

57.8353, 0.2946,  
0.3681

55.3783, 0.2881,  
0.3867

60.7113, 0.3017,  
0.3512

53.3129, 0.2824,  
0.4069


64.0177, 0.3090,  
0.3360

51.6200, 0.2779,  
0.4282


67.7743, 0.3164,  
0.3225

50.2754, 0.2749,  
0.4503


71.9976, 0.3238,  
0.3105

 49.2525, 0.2737,  
0.4725


 74.7572, 0.3236,  
0.2994

 48.5202, 0.2745,  
0.4941

 75.5012, 0.3154,  
0.2880

 48.0407, 0.2771,  
0.5142

 75.5682, 0.3147,  
0.2871

 47.8632, 0.2788,  
0.5237

# Harmonies

## Analogous

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



57.8353, 0.3269, 0.3853



57.8353, 0.2946, 0.3681



57.8353, 0.2681, 0.3389

# Triad

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



57.8353, 0.2946, 0.3681



57.8353, 0.2690, 0.2759



57.8353, 0.3758, 0.3443

# Complementary

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



57.8353, 0.2946, 0.3681



42.4660, 0.3362, 0.2930

# 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.



57.8353, 0.3587, 0.3174



57.8353, 0.2946, 0.3681



57.8353, 0.2960, 0.2792

# Square

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



57.8353, 0.2946, 0.3681



57.8353, 0.2539, 0.2859



57.8353, 0.3289, 0.2941



57.8353, 0.3748, 0.3690



# Rectangle

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



57.8353, 0.2946, 0.3681



57.8353, 0.2568, 0.3181



57.8353, 0.3289, 0.2941



57.8353, 0.3719, 0.3352

# Sweetspot

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



57.8377, 0.2946, 0.3681



95.6134, 0.3067, 0.3405



60.4145, 0.3320, 0.3949



20.2993, 0.3056, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

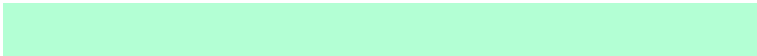


# Same Dimension

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



57.8377, 0.2946, 0.3681



85.7848, 0.2910, 0.3778



59.0362, 0.2783, 0.3334



13.9847, 0.3057, 0.3425



29.5669, 0.2781, 0.5211



1.7998, 0.2686, 0.4869



# Inverse Universe

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



42.4660, 0.3362, 0.2930



58.5610, 0.3426, 0.2850



41.4208, 0.3616, 0.3248



12.5373, 0.3204, 0.3159



9.4968, 0.4673, 0.2348

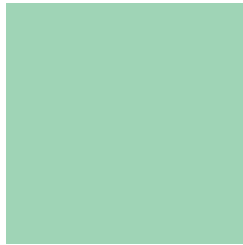


0.5893, 0.4352, 0.2171



# Previews

## White Background



This preview shows how the Yxy color 57.8353, 0.2946, 0.3681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

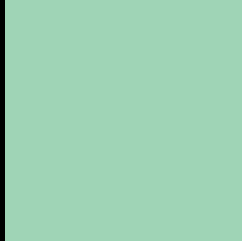
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8353, 0.2946, 0.3681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

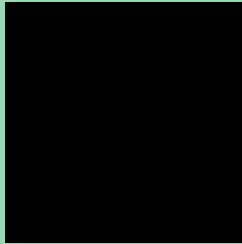
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

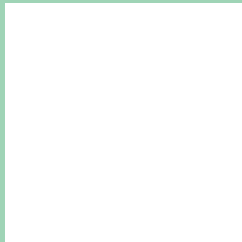
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.8353, 0.2946, 0.3681**

## Background



This preview shows how black text looks on a background with the Yxy color 57.8353, 0.2946, 0.3681.

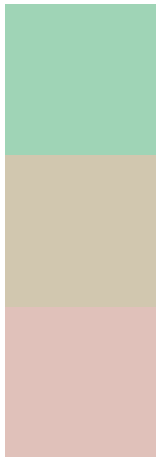


This preview shows how white text looks on a background with the Yxy color 57.8353, 0.2946, 0.3681.

# 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

57.8353, 0.2946, 0.3681

### Protanopia

57.4973, 0.3388, 0.3577

### Deuteranopia

57.5324, 0.3438, 0.3371



## Tritanopia

57.6858, 0.2741, 0.3081

# Trichromacy



**Original Color**

57.8353, 0.2946, 0.3681

**Protanomaly**

57.4764, 0.3213, 0.3612

**Deuteranomaly**

57.0907, 0.3237, 0.3472

**Tritanomaly**

57.5583, 0.2814, 0.3289

# Monochromacy



**Original Color**

57.8353, 0.2946, 0.3681

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.8064, 0.3059, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8353, 0.2946, 0.3681 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(159, 212, 182)` looks like.

```
.text, #text, p{  
    color:rgb(159, 212, 182)  
}
```

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(159, 212, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 212, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8353, 0.2946, 0.3681 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(159, 212, 182) }
```

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

```
.border{ border-color:rgb(159, 212, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 212, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 212, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 212, 182);  
box-shadow:4px 4px 4px 4px rgb(159, 212,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8353, 0.2946, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 212, 182) }
```

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

```
.background{ background-color: rgb(159,  
212, 182) }
```

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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