

# Converting Colors

Yxy(59.4948, 0.2810, 0.3768)

Have a look what the booklet for  
Yxy(59.4948, 0.2810, 0.3768)  
contains.

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# Color

**Yxy(59.4852, 0.2811, 0.3770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ADBB7
RGB	138, 219, 183
RGB Percent	54%, 86%, 72%
CMY	0.4590, 0.1411, 0.2823
CMYK	0.37, 0.00, 0.16, 0.14
HSL	153°, 53%, 70%
HSV	153°, 37%, 86%
XYZ	44.3536, 59.4852, 53.9469
YIQ	190.6770, -36.7200, -28.3680

# Conversions

## Conversions Part 2

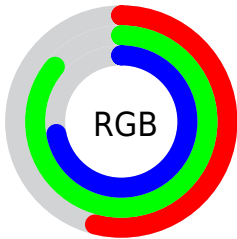
Format	Color
<a href="#">RYB</a>	<a href="#">138, 190, 219</a>
Decimal	<a href="#">9100215</a>
CIELab	<a href="#">81.56, -32.68, 9.94</a>
CIElCh	<a href="#">82, 34.163, 163.077</a>
Yxy	<a href="#">59.4852, 0.2811, 0.3770</a>
Android (android.graphics.Color)	<a href="#">4287290295</a> ( <a href="#">0xFF8ADBB7</a> )
YUV	<a href="#">190.6770, -3.7848, -46.1977</a>
Hunter-Lab	<a href="#">77.1266, -32.3209, 12.5177</a>

# Details

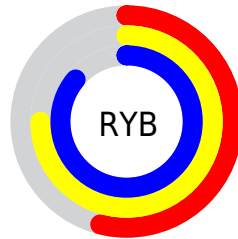
The Yxy color **59.4852, 0.2811, 0.3770** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.2776, 0.3622, 0.2861**, and the grayscale version is **51.9364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2213, 0.2854, 0.3461**, and **30.0474, 0.2728, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **57.4138, 0.2744, 0.3928**, and if you desaturate by 10%, it is **61.9660, 0.2888, 0.3623**.

# Distribution



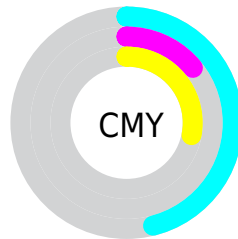
- Red (54%)
- Green (86%)
- Blue (72%)



- Red (54%)
- Yellow (75%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)




- Cyan (46%)
- Magenta (14%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4852, 0.2811, 0.3770 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 59.4852, 0.2811, 0.3770 by changing the saturation by 10% instead.





 59.4852, 0.2811,  
0.3770

 59.4852, 0.2811,  
0.3770


422.6976, 0.2966,  
0.3532

 43.0038, 0.2773,  
0.3829


 104.0825, 0.2867,  
0.3684

 29.8881, 0.2725,  
0.3904


 132.9673, 0.2888,  
0.3652

 19.7537, 0.2662,  
0.4003


 166.7552, 0.2906,  
0.3624

 12.2161, 0.2576,  
0.4140

205.8309, 0.2921,  
0.3600

 6.8910, 0.2451,  
0.4342

250.5785, 0.2935,  
0.3580

 3.3941, 0.2254,  
0.4665

301.3826, 0.2946,

 1.3408, 0.1702,

0.3562

0.5457

358.6275, 0.2957,  
0.3546

0.1724, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.4852, 0.2811,  
0.3770

59.4852, 0.2811,  
0.3770

57.4138, 0.2744,  
0.3928

61.9660, 0.2888,  
0.3623

55.7212, 0.2691,  
0.4095


64.8704, 0.2973,  
0.3489


54.3841, 0.2656,  
0.4268


68.2207, 0.3063,  
0.3368


53.3732, 0.2639,  
0.4443


72.0355, 0.3155,  
0.3259


 52.6545, 0.2643,  
0.4616

 76.3323, 0.3247,  
0.3162

 52.1835, 0.2667,  
0.4783

 78.3029, 0.3235,  
0.3070

 52.0684, 0.2676,  
0.4832

 78.9010, 0.3169,  
0.2977

 79.1498, 0.3144,  
0.2940

# Harmonies

## Analogous

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



59.4852, 0.3238, 0.4043



59.4852, 0.2811, 0.3770



59.4852, 0.2484, 0.3347

# Triad

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



59.4852, 0.2811, 0.3770



59.4852, 0.2590, 0.2581



59.4852, 0.3999, 0.3539

# Complementary

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



59.4852, 0.2811, 0.3770



36.2776, 0.3622, 0.2861

# 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.



59.4852, 0.3804, 0.3185



59.4852, 0.2811, 0.3770



59.4852, 0.2967, 0.2655

# Square

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



59.4852, 0.2811, 0.3770



59.4852, 0.2366, 0.2674



59.4852, 0.3416, 0.2871



59.4852, 0.3938, 0.3863



# Rectangle

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



59.4852, 0.2811, 0.3770



59.4852, 0.2358, 0.3066



59.4852, 0.3416, 0.2871



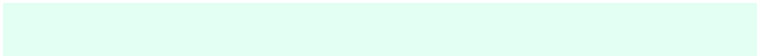
59.4852, 0.3961, 0.3421

# Sweetspot

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



59.4876, 0.2811, 0.3770



94.2862, 0.3026, 0.3416



61.5509, 0.3333, 0.4322



20.0423, 0.3014, 0.3432



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.



59.4876, 0.2811, 0.3770



81.7576, 0.2761, 0.3885



59.0941, 0.2604, 0.3237



14.7268, 0.3041, 0.3396



30.8924, 0.2669, 0.4807



2.0186, 0.2593, 0.4536



# Inverse Universe

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



36.2776, 0.3622, 0.2861



44.6788, 0.3766, 0.2776



36.2413, 0.4009, 0.3342



13.1472, 0.3222, 0.3187



9.4659, 0.5185, 0.2630

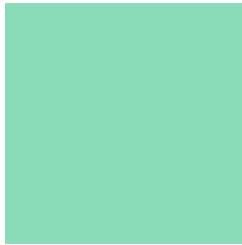


0.6304, 0.4782, 0.2408



# Previews

## White Background



This preview shows how the Yxy color 59.4852, 0.2811, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

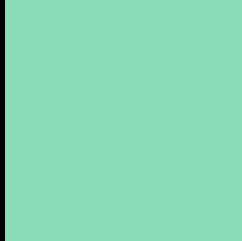
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4852, 0.2811, 0.3770 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

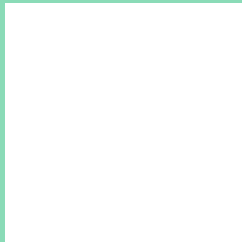
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.4852, 0.2811, 0.3770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4852, 0.2811, 0.3770.

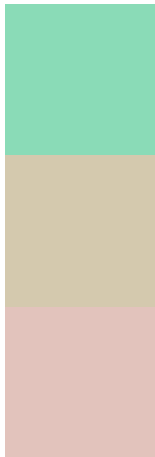


This preview shows how white text looks on a background with the Yxy color 59.4852, 0.2811, 0.3770.

# 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

59.4852, 0.2811, 0.3770

### Protanopia

58.8263, 0.3416, 0.3610

### Deuteranopia

58.8298, 0.3435, 0.3370



## Tritanopia

59.6912, 0.2603, 0.3079

# Trichromacy



## Original Color

59.4852, 0.2811, 0.3770



## Protanomaly

58.6004, 0.3169, 0.3678



## Deuteranomaly

58.2002, 0.3178, 0.3510



## Tritanomaly

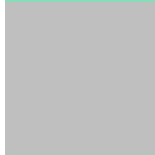
59.4247, 0.2676, 0.3314

# Monochromacy



## Original Color

59.4852, 0.2811, 0.3770



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.1748, 0.2998, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4852, 0.2811, 0.3770 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(138, 219, 183)` looks like.

```
.text, #text, p{  
    color:rgb(138, 219, 183)  
}
```

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(138, 219, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 219, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4852, 0.2811, 0.3770 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(138, 219, 183) }
```

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

```
.border{ border-color:rgb(138, 219, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 219, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 219, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 219, 183);  
box-shadow:4px 4px 4px 4px rgb(138, 219,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4852, 0.2811, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 219, 183) }
```

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

```
.background{ background-color: rgb(138,  
219, 183) }
```

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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