

# Converting Colors

$Yxy(54.1218, 0.3021, 0.3518)$

Have a look what the booklet for  
Yxy(54.1218, 0.3021, 0.3518)  
contains.

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# Color

**Yxy(53.8919, 0.3018, 0.3510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC9B8
RGB	171, 201, 184
RGB Percent	67%, 79%, 72%
CMY	0.3293, 0.2118, 0.2784
CMYK	0.15, 0.00, 0.08, 0.21
HSL	146°, 22%, 73%
HSV	146°, 15%, 79%
XYZ	46.3378, 53.8919, 53.3085
YIQ	190.0920, -12.4230, -11.6470

# Conversions

## Conversions Part 2

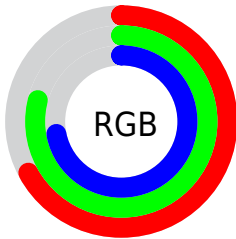
Format	Color
<a href="#">RYB</a>	<a href="#">171, 192, 201</a>
Decimal	<a href="#">11258296</a>
CIELab	<a href="#">78.40, -13.37, 5.13</a>
CIELCh	<a href="#">78, 14.317, 159.025</a>
Yxy	<a href="#">53.8919, 0.3018, 0.3510</a>
Android (android.graphics.Color)	<a href="#">4289448376</a> ( <a href="#">0xFFABC9B8</a> )
YUV	<a href="#">190.0920, -3.0034, -16.7437</a>
Hunter-Lab	<a href="#">73.4111, -15.7984, 8.3335</a>

# Details

The Yxy color **53.8919, 0.3018, 0.3510** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1863, 0.3254, 0.3080**, and the grayscale version is **51.5753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1422, 0.3040, 0.3442**, and **26.3577, 0.2983, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **51.3465, 0.2948, 0.3679**, and if you desaturate by 10%, it is **56.8236, 0.3091, 0.3358**.

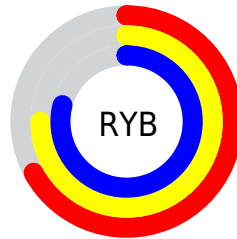
# Distribution



Red (67%)

Green (79%)

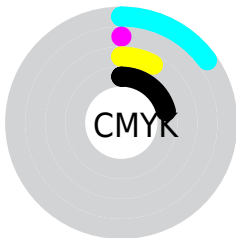
Blue (72%)



Red (67%)

Yellow (75%)

Blue (79%)

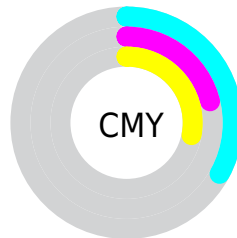


Cyan (15%)

Magenta (0%)

Yellow (8%)

Black (21%)



Cyan (33%)

Magenta (21%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8919, 0.3018, 0.3510 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 53.8919, 0.3018, 0.3510 by changing the saturation by 10% instead.





 53.8919, 0.3018,  
0.3510

 53.8919, 0.3018,  
0.3510


401.6977, 0.3072,  
0.3401

 38.5152, 0.3005,  
0.3537


 95.9155, 0.3038,  
0.3471

 26.3828, 0.2988,  
0.3571


123.3312, 0.3045,  
0.3456

 17.1103, 0.2965,  
0.3617


155.5288, 0.3051,  
0.3443

 10.3131, 0.2933,  
0.3681

192.8926, 0.3057,  
0.3432

 5.6071, 0.2887,  
0.3775

235.8069, 0.3061,  
0.3423

 2.6077, 0.2812,  
0.3928

284.6563, 0.3065,

 0.9305, 0.2602,

0.3415

0.4344

339.8251, 0.3069,  
0.3407

0.0000, 0.0000,  
0.0000

53.8919, 0.3018,  
0.3510

53.8919, 0.3018,  
0.3510

51.3465, 0.2948,  
0.3679

56.8236, 0.3091,  
0.3358

49.1643, 0.2883,  
0.3865

60.1501, 0.3165,  
0.3223

47.3299, 0.2826,  
0.4066

63.8881, 0.3237,  
0.3104

45.8243, 0.2781,  
0.4279

68.0516, 0.3308,  
0.3000

44.6266, 0.2751,  
0.4500

69.3825, 0.3252,  
0.2892

■ 43.7131, 0.2739,  
0.4722

■ 70.0852, 0.3170,  
0.2786

■ 43.0569, 0.2745,  
0.4938

■ 70.2520, 0.3152,  
0.2762

■ 42.6251, 0.2771,  
0.5139

■ 42.4603, 0.2788,  
0.5236

# Harmonies

## Analogous

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



53.8919, 0.3209, 0.3611



53.8919, 0.3018, 0.3510



53.8919, 0.2859, 0.3345

# Triad

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



53.8919, 0.3018, 0.3510



53.8919, 0.2872, 0.2972



53.8919, 0.3495, 0.3392

# Complementary

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



53.8919, 0.3018, 0.3510



45.1863, 0.3254, 0.3080

# 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.



53.8919, 0.3400, 0.3228



53.8919, 0.3018, 0.3510



53.8919, 0.3037, 0.2992

# Square

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



53.8919, 0.3018, 0.3510



53.8919, 0.2777, 0.3035



53.8919, 0.3230, 0.3084



53.8919, 0.3489, 0.3535



# Rectangle

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



53.8919, 0.3018, 0.3510



53.8919, 0.2792, 0.3226



53.8919, 0.3230, 0.3084



53.8919, 0.3474, 0.3338

# Sweetspot

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



53.8942, 0.3018, 0.3510



97.7495, 0.3097, 0.3346



55.4698, 0.3247, 0.3668



20.8345, 0.3092, 0.3357



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

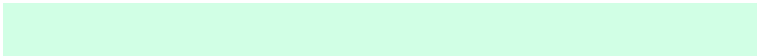


# Same Dimension

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



53.8942, 0.3018, 0.3510



90.7454, 0.2994, 0.3565



54.5337, 0.2919, 0.3321



11.9629, 0.3058, 0.3424



26.7159, 0.2780, 0.5210



1.2795, 0.2665, 0.4793



# Inverse Universe

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



45.1863, 0.3254, 0.3080



72.9156, 0.3287, 0.3031



44.5921, 0.3380, 0.3259



10.7360, 0.3203, 0.3160



8.5900, 0.4660, 0.2341



0.4211, 0.4278, 0.2130



# Previews

## White Background



This preview shows how the Yxy color 53.8919, 0.3018, 0.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

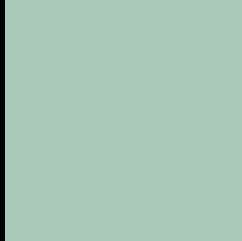
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8919, 0.3018, 0.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

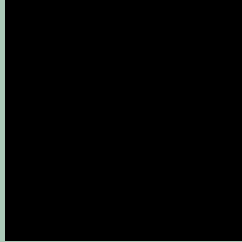
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

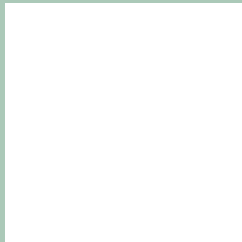
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8919, 0.3018, 0.3510**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8919, 0.3018, 0.3510.

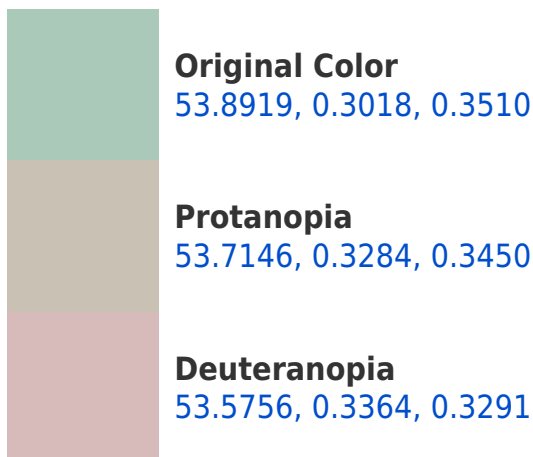


This preview shows how white text looks on a background with the Yxy color 53.8919, 0.3018, 0.3510.

# 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

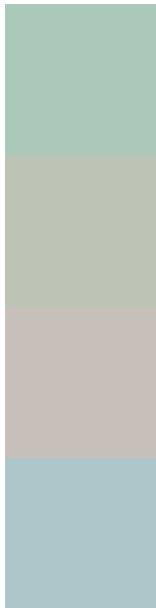




## Tritanopia

53.9161, 0.2864, 0.3103

# Trichromacy



**Original Color**

53.8919, 0.3018, 0.3510

**Protanomaly**

53.6349, 0.3182, 0.3479

**Deuteranomaly**

53.3866, 0.3230, 0.3364

**Tritanomaly**

53.6511, 0.2916, 0.3239

# Monochromacy



**Original Color**

53.8919, 0.3018, 0.3510

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.2817, 0.3084, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.8919, 0.3018, 0.3510 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(171, 201, 184)` looks like.

```
.text, #text, p{  
    color:rgb(171, 201, 184)  
}
```

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(171, 201, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 201, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8919, 0.3018, 0.3510 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(171, 201, 184) }
```

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

```
.border{ border-color:rgb(171, 201, 184) }
```

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

Here you see how a box with a 4 pixel rgb(171, 201, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 201, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 201, 184);  
box-shadow:4px 4px 4px 4px rgb(171, 201,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8919, 0.3018, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 201, 184) }
```

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

```
.background{ background-color: rgb(171,  
201, 184) }
```

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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