

# Converting Colors

$Yxy(59.3572, 0.3058, 0.3514)$

Have a look what the booklet for  
Yxy(59.3572, 0.3058, 0.3514)  
contains.

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# Color

**Yxy(59.4298, 0.3058, 0.3512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D1BF
RGB	183, 209, 191
RGB Percent	72%, 82%, 75%
CMY	0.2821, 0.1805, 0.2509
CMYK	0.12, 0.00, 0.09, 0.18
HSL	138°, 22%, 77%
HSV	138°, 12%, 82%
XYZ	51.7472, 59.4298, 58.0422
YIQ	199.1740, -9.7180, -11.1100

# Conversions

## Conversions Part 2

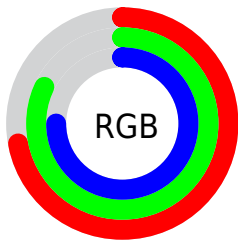
Format	Color
<a href="#">RYB</a>	<a href="#">183, 203, 209</a>
Decimal	<a href="#">12046783</a>
CIELab	<a href="#">81.53, -12.10, 5.99</a>
CIELCh	<a href="#">82, 13.500, 153.683</a>
Yxy	<a href="#">59.4298, 0.3058, 0.3512</a>
Android (android.graphics.Color)	<a href="#">4290236863</a> ( <a href="#">0xFFB7D1BF</a> )
YUV	<a href="#">199.1740, -4.0298, -14.1846</a>
Hunter-Lab	<a href="#">77.0907, -15.0904, 9.3236</a>

# Details

The Yxy color **59.4298, 0.3058, 0.3512** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6704, 0.3204, 0.3078**, and the grayscale version is **57.2641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5861, 0.3074, 0.3369**, and **30.0235, 0.3036, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **56.4487, 0.3003, 0.3716**, and if you desaturate by 10%, it is **62.8596, 0.3114, 0.3330**.

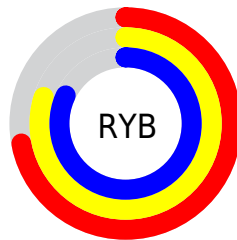
# Distribution



Red (72%)

Green (82%)

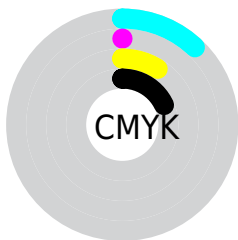
Blue (75%)



Red (72%)

Yellow (80%)

Blue (82%)

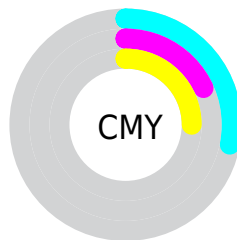


Cyan (12%)

Magenta (0%)

Yellow (9%)

Black (18%)



Cyan (28%)

Magenta (18%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4298, 0.3058, 0.3512 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 59.4298, 0.3058, 0.3512 by changing the saturation by 10% instead.



■ 59.4298, 0.3058,  
0.3512

■ 59.4298, 0.3058,  
0.3512

422.4928, 0.3092,  
0.3404

■ 42.9592, 0.3050,  
0.3538

■ 104.0021, 0.3070,  
0.3473

■ 29.8531, 0.3039,  
0.3572

132.8725, 0.3075,  
0.3459

■ 19.7271, 0.3025,  
0.3615

166.6451, 0.3079,  
0.3446

■ 12.1968, 0.3006,  
0.3675

205.7041, 0.3082,  
0.3435

■ 6.8779, 0.2978,  
0.3761

250.4340, 0.3085,  
0.3426

■ 3.3858, 0.2933,  
0.3896

301.2192, 0.3088,

■ 1.3363, 0.2850,

0.3418

0.4141

358.4440, 0.3090,  
0.3410

0.1691, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.4298, 0.3058,  
0.3512

59.4298, 0.3058,  
0.3512

56.4487, 0.3003,  
0.3716

62.8596, 0.3114,  
0.3330

53.8903, 0.2952,  
0.3942

66.7481, 0.3169,  
0.3170

51.7372, 0.2906,  
0.4187

71.1141, 0.3223,  
0.3030

49.9679, 0.2869,  
0.4448

73.6925, 0.3189,  
0.2897

■ 48.5590, 0.2844,  
0.4715

■ 74.0735, 0.3148,  
0.2841

■ 47.4841, 0.2834,  
0.4979

■ 46.7135, 0.2841,  
0.5228

■ 46.2115, 0.2863,  
0.5449

■ 45.9642, 0.2887,  
0.5594

# Harmonies

## Analogous

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



59.4298, 0.3233, 0.3590



59.4298, 0.3058, 0.3512



59.4298, 0.2905, 0.3370

# Triad

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



59.4298, 0.3058, 0.3512



59.4298, 0.2873, 0.3004



59.4298, 0.3454, 0.3357

# Complementary

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



59.4298, 0.3058, 0.3512



51.6704, 0.3204, 0.3078

# 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.



59.4298, 0.3352, 0.3208



59.4298, 0.3058, 0.3512



59.4298, 0.3015, 0.3008

# Square

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



59.4298, 0.3058, 0.3512



59.4298, 0.2800, 0.3075



59.4298, 0.3190, 0.3082



59.4298, 0.3465, 0.3494



# Rectangle

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



59.4298, 0.3058, 0.3512



59.4298, 0.2834, 0.3261



59.4298, 0.3190, 0.3082



59.4298, 0.3429, 0.3307

# Sweetspot

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



59.4323, 0.3058, 0.3512



97.6692, 0.3105, 0.3359



61.4624, 0.3250, 0.3600



20.8142, 0.3100, 0.3372



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

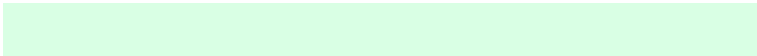


# Same Dimension

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



59.4323, 0.3058, 0.3512



91.8611, 0.3043, 0.3566



60.0202, 0.2973, 0.3353



13.2651, 0.3075, 0.3455



28.3603, 0.2880, 0.5569



1.5999, 0.2775, 0.5189



# Inverse Universe

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



51.6704, 0.3204, 0.3078



77.2448, 0.3223, 0.3029



51.0932, 0.3307, 0.3228



11.9448, 0.3184, 0.3130



9.6356, 0.4162, 0.2067



0.5526, 0.3946, 0.1948



# Previews

## White Background



This preview shows how the Yxy color 59.4298, 0.3058, 0.3512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

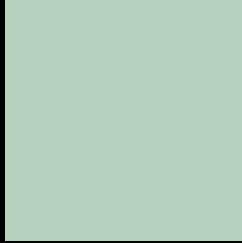
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4298, 0.3058, 0.3512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

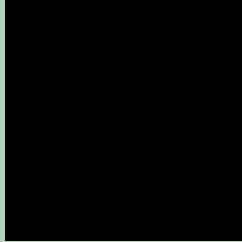
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

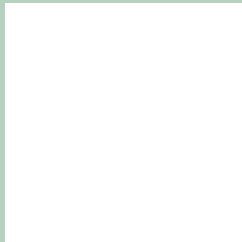
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.4298, 0.3058, 0.3512**

## Background



This preview shows how black text looks on a background with the Yxy color 59.4298, 0.3058, 0.3512.



This preview shows how white text looks on a background with the Yxy color 59.4298, 0.3058, 0.3512.

# 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

59.4298, 0.3058, 0.3512

### Protanopia

59.3842, 0.3292, 0.3467

### Deuteranopia

58.9328, 0.3379, 0.3302



## Tritanopia

59.5745, 0.2894, 0.3100

# Trichromacy



## Original Color

59.4298, 0.3058, 0.3512

## Protanomaly

59.5728, 0.3210, 0.3494

## Deuteranomaly

58.8604, 0.3258, 0.3372

## Tritanomaly

59.2349, 0.2952, 0.3241

# Monochromacy



## Original Color

59.4298, 0.3058, 0.3512

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.0349, 0.3100, 0.3375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4298, 0.3058, 0.3512 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(183, 209, 191)` looks like.

```
.text, #text, p{  
    color:rgb(183, 209, 191)  
}
```

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(183, 209, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 209, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4298, 0.3058, 0.3512 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(183, 209, 191) }
```

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

```
.border{ border-color:rgb(183, 209, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 209, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 209, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 209, 191);  
box-shadow:4px 4px 4px 4px rgb(183, 209,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4298, 0.3058, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 209, 191) }
```

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

```
.background{ background-color: rgb(183,  
209, 191) }
```

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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