

# Converting Colors

$Yxy(59.8896, 0.3101, 0.3890)$

Have a look what the booklet for  
Yxy(59.8896, 0.3101, 0.3890)  
contains.

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# **Color**

**Yxy(59.8630, 0.3106, 0.3895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9D7A8
RGB	169, 215, 168
RGB Percent	66%, 84%, 66%
CMY	0.3371, 0.1569, 0.3411
CMYK	0.21, 0.00, 0.22, 0.16
HSL	119°, 37%, 75%
HSV	119°, 22%, 84%
XYZ	47.7367, 59.8630, 46.0922
YIQ	195.8880, -12.3290, -24.3690

# Conversions

## Conversions Part 2

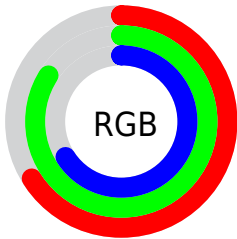
Format	Color
<a href="#">RYB</a>	<a href="#">168, 215, 214</a>
Decimal	<a href="#">11130792</a>
CIELab	<a href="#">81.76, -23.95, 18.39</a>
CIElCh	<a href="#">82, 30.196, 142.488</a>
Yxy	<a href="#">59.8630, 0.3106, 0.3895</a>
Android (android.graphics.Color)	<a href="#">4289320872</a> ( <a href="#">0xFFA9D7A8</a> )
YUV	<a href="#">195.8880, -13.7488, -23.5808</a>
Hunter-Lab	<a href="#">77.3712, -25.2681, 18.8391</a>

# Details

The Yxy color **59.8630, 0.3106, 0.3895** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.2112, 0.3144, 0.2749**, and the grayscale version is **55.2262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8553, 0.3124, 0.3620**, and **30.1156, 0.3091, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **56.9863, 0.3093, 0.4223**, and if you desaturate by 10%, it is **63.2516, 0.3117, 0.3598**.

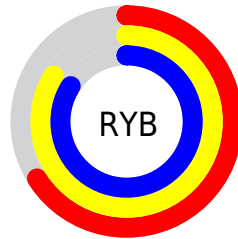
# Distribution



Red (66%)

Green (84%)

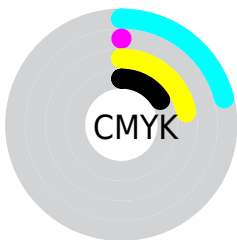
Blue (66%)



Red (66%)

Yellow (84%)

Blue (84%)

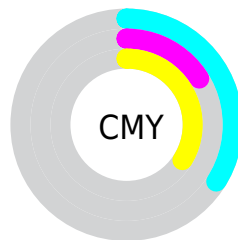


Cyan (21%)

Magenta (0%)

Yellow (22%)

Black (16%)



Cyan (34%)

Magenta (16%)


Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8630, 0.3106, 0.3895 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 59.8630, 0.3106, 0.3895 by changing the saturation by 10% instead.





 59.8630, 0.3106,  
0.3895


 59.8630, 0.3106,  
0.3895


424.0926, 0.3122,  
0.3594

 43.3082, 0.3101,  
0.3969

 104.6309, 0.3113,  
0.3786

 30.1270, 0.3093,  
0.4064


 133.6128, 0.3115,  
0.3745

 19.9350, 0.3081,  
0.4190

167.5059, 0.3117,  
0.3710

 12.3478, 0.3062,  
0.4363


206.6945, 0.3118,  
0.3681

 6.9810, 0.3028,  
0.4617

251.5631, 0.3119,  
0.3655

 3.4502, 0.2960,  
0.5020

302.4961, 0.3120,

 1.3711, 0.3028,

0.3632

359.8778, 0.3121,  
0.3612

0.6357

0.1952, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.8630, 0.3106,  
0.3895

59.8630, 0.3106,  
0.3895

56.9863, 0.3093,  
0.4223

63.2516, 0.3117,  
0.3598

54.5894, 0.3079,  
0.4574

67.1672, 0.3126,  
0.3335

52.6486, 0.3064,  
0.4931

71.6336, 0.3133,  
0.3106

51.1348, 0.3048,  
0.5272

76.6710, 0.3139,  
0.2908

■ 50.0161, 0.3032,  
0.5569

■ 77.0791, 0.3145,  
0.2900

■ 49.2555, 0.3019,  
0.5796

■ 48.8094, 0.3008,  
0.5937

■ 48.6291, 0.3004,  
0.5997

# Harmonies

## Analogous

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



59.8630, 0.3488, 0.3989



59.8630, 0.3106, 0.3895



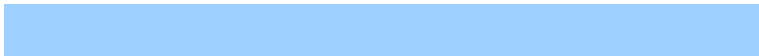
59.8630, 0.2745, 0.3602

# Triad

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



59.8630, 0.3106, 0.3895



59.8630, 0.2496, 0.2701



59.8630, 0.3800, 0.3298

# Complementary

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



59.8630, 0.3106, 0.3895



47.2112, 0.3144, 0.2749

# 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.



59.8630, 0.3502, 0.2999



59.8630, 0.3106, 0.3895



59.8630, 0.2745, 0.2663

# Square

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



59.8630, 0.3106, 0.3895



59.8630, 0.2407, 0.2896



59.8630, 0.3110, 0.2772



59.8630, 0.3903, 0.3613



# Rectangle

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



59.8630, 0.3106, 0.3895



59.8630, 0.2562, 0.3350



59.8630, 0.3110, 0.2772



59.8630, 0.3718, 0.3193

# Sweetspot

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



59.8655, 0.3106, 0.3895



95.7401, 0.3121, 0.3468



65.0797, 0.3458, 0.3815



20.4177, 0.3121, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

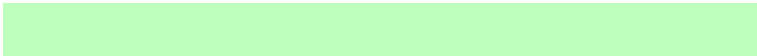


# Same Dimension

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



59.8655, 0.3106, 0.3895



86.1454, 0.3101, 0.4036



60.6410, 0.2958, 0.3606



13.9086, 0.3119, 0.3531



29.0930, 0.3005, 0.5996



1.7594, 0.3021, 0.5983



# Inverse Universe

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



47.2112, 0.3144, 0.2749



64.4755, 0.3147, 0.2638



46.3118, 0.3340, 0.2994



12.6184, 0.3134, 0.3060



11.1673, 0.3156, 0.1512

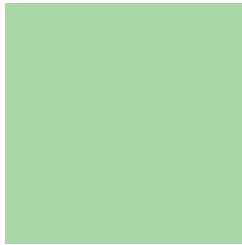


0.6780, 0.3165, 0.1517



# Previews

## White Background



This preview shows how the Yxy color 59.8630, 0.3106, 0.3895 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 59.8630, 0.3106, 0.3895 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

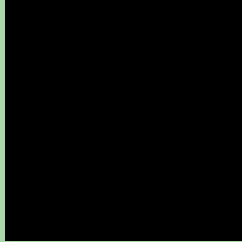
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.8630, 0.3106, 0.3895**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.8630, 0.3106, 0.3895.



This preview shows how white text looks on a background with the Yxy color 59.8630, 0.3106, 0.3895.

# 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

59.8630, 0.3106, 0.3895

### Protanopia

59.2968, 0.3531, 0.3761

### Deuteranopia

59.3324, 0.3623, 0.3549



## Tritanopia

59.5912, 0.2815, 0.3086

# Trichromacy



**Original Color**

59.8630, 0.3106, 0.3895

**Protanomaly**

59.3117, 0.3365, 0.3816

**Deuteranomaly**

58.8830, 0.3421, 0.3659

**Tritanomaly**

59.5668, 0.2915, 0.3364

# Monochromacy



**Original Color**

59.8630, 0.3106, 0.3895

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.6961, 0.3117, 0.3502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8630, 0.3106, 0.3895 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(169, 215, 168)` looks like.

```
.text, #text, p{  
    color:rgb(169, 215, 168)  
}
```

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(169, 215, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 215, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8630, 0.3106, 0.3895 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(169, 215, 168) }
```

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

```
.border{ border-color:rgb(169, 215, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 215, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 215, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 215, 168);  
box-shadow:4px 4px 4px 4px rgb(169, 215,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8630, 0.3106, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 215, 168) }
```

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

```
.background{ background-color: rgb(169,  
215, 168) }
```

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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