

# Converting Colors

$Yxy(59.6910, 0.3299, 0.3939)$

Have a look what the booklet for  
Yxy(59.6910, 0.3299, 0.3939)  
contains.

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# Color

**Yxy(59.5308, 0.3298, 0.3942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BAD39F</code>
RGB	186, 211, 159
RGB Percent	73%, 83%, 62%
CMY	0.2706, 0.1725, 0.3763
CMYK	0.12, 0.00, 0.25, 0.17
HSL	89°, 37%, 73%
HSV	89°, 25%, 83%
XYZ	49.8053, 59.5308, 41.6806
YIQ	197.5970, 1.7920, -21.4720

# Conversions

## Conversions Part 2

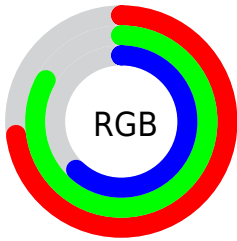
Format	Color
<a href="#">RYB</a>	<a href="#">159, 211, 184</a>
Decimal	<a href="#">12243871</a>
CIELab	<a href="#">81.58, -17.51, 23.03</a>
CIElCh	<a href="#">82, 28.929, 127.252</a>
Yxy	<a href="#">59.5308, 0.3298, 0.3942</a>
Android (android.graphics.Color)	<a href="#">4290433951</a> ( <a href="#">0xFFBAD39F</a> )
YUV	<a href="#">197.5970, -19.0283, -10.1706</a>
Hunter-Lab	<a href="#">77.1562, -19.7993, 21.9802</a>

# Details

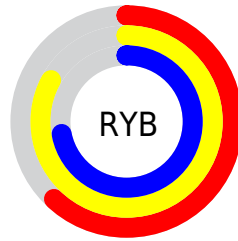
The Yxy color **59.5308, 0.3298, 0.3942** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.7045, 0.2917, 0.2636**, and the grayscale version is **56.3347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2523, 0.3284, 0.3702**, and **29.7440, 0.3333, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **57.6358, 0.3361, 0.4234**, and if you desaturate by 10%, it is **61.6463, 0.3230, 0.3663**.

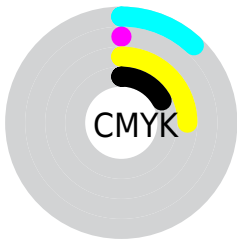
# Distribution



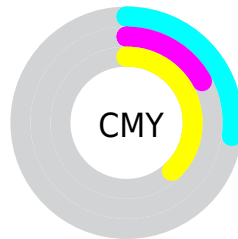
- Red (73%)
- Green (83%)
- Blue (62%)



- Red (62%)
- Yellow (83%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (25%)
- Black (17%)




- Cyan (27%)
- Magenta (17%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5308, 0.3298, 0.3942 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 59.5308, 0.3298, 0.3942 by changing the saturation by 10% instead.





 59.5308, 0.3298,  
0.3942


 59.5308, 0.3298,  
0.3942

422.8661, 0.3222,  
0.3620

 43.0406, 0.3314,  
0.4021


 104.1487, 0.3272,  
0.3826

 29.9169, 0.3333,  
0.4121


 133.0452, 0.3262,  
0.3782

 19.7756, 0.3356,  
0.4252


166.8459, 0.3253,  
0.3745

 12.2320, 0.3382,  
0.4432

205.9352, 0.3246,  
0.3713

 6.9019, 0.3410,  
0.4689

250.6974, 0.3239,  
0.3685

 3.4008, 0.3430,  
0.5086

301.5171, 0.3232,

 1.3444, 0.3705,

0.3661

0.6295

358.7785, 0.3227,  
0.3639

■ 0.1752, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.5308, 0.3298,  
0.3942

■ 59.5308, 0.3298,  
0.3942

■ 57.6358, 0.3361,  
0.4234

■ 61.6463, 0.3230,  
0.3663

■ 55.9453, 0.3415,  
0.4531

■ 63.9823, 0.3160,  
0.3403

■ 54.4531, 0.3455,  
0.4822

■ 66.5486, 0.3090,  
0.3165

■ 53.1496, 0.3478,  
0.5092

■ 69.3521, 0.3022,  
0.2948

■ 52.0241, 0.3479,  
0.5325

■ 71.7700, 0.3018,  
0.2843

■ 51.0647, 0.3457,  
0.5511

■ 73.5641, 0.3090,  
0.2853

■ 50.2569, 0.3414,  
0.5640

■ 75.0690, 0.3147,  
0.2861

■ 49.8734, 0.3386,  
0.5693

# Harmonies

## Analogous

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



59.5308, 0.3635, 0.3926



59.5308, 0.3298, 0.3942



59.5308, 0.2928, 0.3750

# Triad

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



59.5308, 0.3298, 0.3942



59.5308, 0.2456, 0.2801



59.5308, 0.3646, 0.3147

# Complementary

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



59.5308, 0.3298, 0.3942



39.7045, 0.2917, 0.2636

# 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.



59.5308, 0.3300, 0.2887



59.5308, 0.3298, 0.3942



59.5308, 0.2621, 0.2687

# Square

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



59.5308, 0.3298, 0.3942



59.5308, 0.2456, 0.3060



59.5308, 0.2924, 0.2722



59.5308, 0.3848, 0.3450



# Rectangle

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



59.5308, 0.3298, 0.3942



59.5308, 0.2713, 0.3534



59.5308, 0.2924, 0.2722



59.5308, 0.3541, 0.3052

# Sweetspot

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



59.5334, 0.3298, 0.3942



97.3112, 0.3177, 0.3465



50.3379, 0.3571, 0.3587



20.7807, 0.3181, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

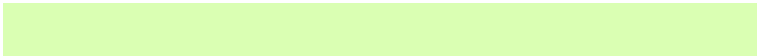


# Same Dimension

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



59.5334, 0.3298, 0.3942



89.6920, 0.3335, 0.4107



56.6461, 0.3107, 0.3982



13.5037, 0.3193, 0.3525



30.1596, 0.3397, 0.5685



1.7335, 0.3535, 0.5575



# Inverse Universe

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



39.7045, 0.2917, 0.2636



53.7515, 0.2857, 0.2470



43.1054, 0.3140, 0.2679



11.6926, 0.3056, 0.3055



4.5851, 0.1993, 0.0872



0.3035, 0.2198, 0.0984



# Previews

## White Background



This preview shows how the Yxy color 59.5308, 0.3298, 0.3942 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 59.5308, 0.3298, 0.3942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

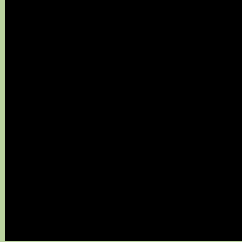
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.5308, 0.3298, 0.3942**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.5308, 0.3298, 0.3942.



This preview shows how white text looks on a background with the Yxy color 59.5308, 0.3298, 0.3942.

# 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

59.5308, 0.3298, 0.3942

### Protanopia

59.2065, 0.3593, 0.3843

### Deuteranopia

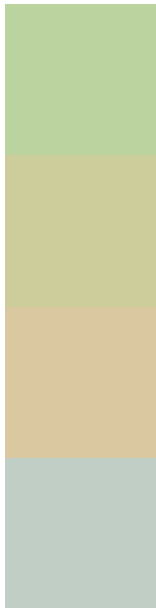
59.0251, 0.3733, 0.3648



## Tritanopia

59.4284, 0.2957, 0.3102

# Trichromacy



**Original Color**

59.5308, 0.3298, 0.3942

**Protanomaly**

59.0421, 0.3485, 0.3882

**Deuteranomaly**

58.7872, 0.3569, 0.3747

**Tritanomaly**

59.3803, 0.3084, 0.3399

# Monochromacy



**Original Color**

59.5308, 0.3298, 0.3942

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.6419, 0.3194, 0.3523

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.5308, 0.3298, 0.3942 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(186, 211, 159)` looks like.

```
.text, #text, p{  
    color:rgb(186, 211, 159)  
}
```

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(186, 211, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 211, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 59.5308, 0.3298, 0.3942 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(186, 211, 159) }
```

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

```
.border{ border-color:rgb(186, 211, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 211, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 211, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 211, 159);  
box-shadow:4px 4px 4px 4px rgb(186, 211,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.5308, 0.3298, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 211, 159) }
```

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

```
.background{ background-color: rgb(186,  
211, 159) }
```

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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