

# Converting Colors

$Yxy(59.2732, 0.3062, 0.3897)$

Have a look what the booklet for  
Yxy(59.2732, 0.3062, 0.3897)  
contains.

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# Color

**Yxy(59.2146, 0.3063, 0.3903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3D7A8
RGB	163, 215, 168
RGB Percent	64%, 84%, 66%
CMY	0.3609, 0.1568, 0.3411
CMYK	0.24, 0.00, 0.22, 0.16
HSL	126°, 39%, 74%
HSV	126°, 24%, 84%
XYZ	46.4705, 59.2146, 46.0305
YIQ	194.0940, -15.9050, -25.6410

# Conversions

## Conversions Part 2

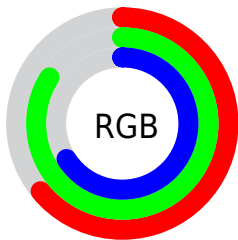
Format	Color
<a href="#">RYB</a>	<a href="#">163, 210, 215</a>
Decimal	<a href="#">10737576</a>
CIELab	<a href="#">81.41, -25.97, 17.84</a>
CIElCh	<a href="#">81, 31.510, 145.509</a>
Yxy	<a href="#">59.2146, 0.3063, 0.3903</a>
Android (android.graphics.Color)	<a href="#">4288927656 (0xFFA3D7A8)</a>
YUV	<a href="#">194.0940, -12.8643, -27.2694</a>
Hunter-Lab	<a href="#">76.9510, -26.8687, 18.3997</a>

# Details

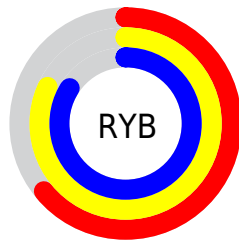
The Yxy color **59.2146, 0.3063, 0.3903** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2887, 0.3198, 0.2745**, and the grayscale version is **54.0916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9078, 0.3087, 0.3624**, and **29.7176, 0.3036, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **56.4667, 0.3036, 0.4206**, and if you desaturate by 10%, it is **62.4615, 0.3090, 0.3628**.

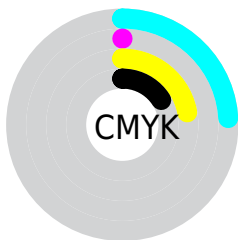
# Distribution



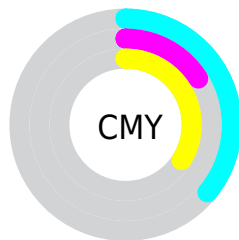
- Red (64%)
- Green (84%)
- Blue (66%)



- Red (64%)
- Yellow (82%)
- Blue (84%)



- Cyan (24%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)




- Cyan (36%)
- Magenta (16%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2146, 0.3063, 0.3903 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 59.2146, 0.3063, 0.3903 by changing the saturation by 10% instead.





 59.2146, 0.3063,  
0.3903

 59.2146, 0.3063,  
0.3903


421.6967, 0.3100,  
0.3597

 42.7859, 0.3052,  
0.3979


 103.6895, 0.3077,  
0.3792

 29.7172, 0.3038,  
0.4076


 132.5045, 0.3082,  
0.3750

 19.6240, 0.3018,  
0.4205


166.2170, 0.3087,  
0.3715

 12.1220, 0.2987,  
0.4384

205.2115, 0.3090,  
0.3685

 6.8268, 0.2937,  
0.4646

249.8723, 0.3093,  
0.3659

 3.3540, 0.2844,  
0.5068

300.5839, 0.3096,

 1.3192, 0.2814,

0.3636

0.6552

357.7305, 0.3098,  
0.3615

0.1560, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.2146, 0.3063,  
0.3903

59.2146, 0.3063,  
0.3903

56.4667, 0.3036,  
0.4206

62.4615, 0.3090,  
0.3628

54.1859, 0.3012,  
0.4531

66.2224, 0.3116,  
0.3383

52.3485, 0.2991,  
0.4864

70.5211, 0.3142,  
0.3169

50.9254, 0.2976,  
0.5187

75.3775, 0.3165,  
0.2984

■ 49.8842, 0.2969,  
0.5478

■ 77.0848, 0.3145,  
0.2901

■ 49.1877, 0.2970,  
0.5713

■ 48.7910, 0.2979,  
0.5879

■ 48.6581, 0.2984,  
0.5941

# Harmonies

## Analogous

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



59.2146, 0.3465, 0.4024



59.2146, 0.3063, 0.3903



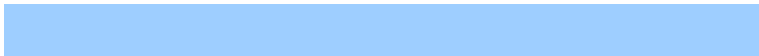
59.2146, 0.2694, 0.3579

# Triad

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



59.2146, 0.3063, 0.3903



59.2146, 0.2487, 0.2663



59.2146, 0.3853, 0.3330

# Complementary

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



59.2146, 0.3063, 0.3903



45.2887, 0.3198, 0.2745

# 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.



59.2146, 0.3557, 0.3014



59.2146, 0.3063, 0.3903



59.2146, 0.2761, 0.2641

# Square

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



59.2146, 0.3063, 0.3903



59.2146, 0.2377, 0.2849



59.2146, 0.3151, 0.2769



59.2146, 0.3938, 0.3657



# Rectangle

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



59.2146, 0.3063, 0.3903



59.2146, 0.2513, 0.3311



59.2146, 0.3151, 0.2769



59.2146, 0.3774, 0.3221

# Sweetspot

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



59.2171, 0.3063, 0.3903



95.7750, 0.3109, 0.3450



65.0491, 0.3456, 0.3898



20.4258, 0.3107, 0.3465



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

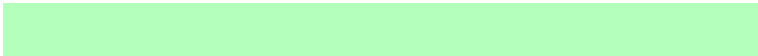


# Same Dimension

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



59.2171, 0.3063, 0.3903



84.9891, 0.3049, 0.4054



60.2546, 0.2903, 0.3565



13.9153, 0.3103, 0.3507



29.1081, 0.2980, 0.5929



1.7625, 0.2925, 0.5731



# Inverse Universe

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



45.2887, 0.3198, 0.2745



61.0963, 0.3215, 0.2630



44.1250, 0.3424, 0.3031



12.6110, 0.3152, 0.3082



10.9855, 0.3467, 0.1683

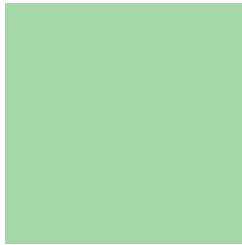


0.6687, 0.3417, 0.1656



# Previews

## White Background



This preview shows how the Yxy color 59.2146, 0.3063, 0.3903 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 59.2146, 0.3063, 0.3903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

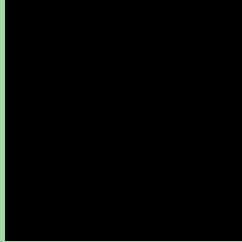
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2146, 0.3063, 0.3903**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2146, 0.3063, 0.3903.



This preview shows how white text looks on a background with the Yxy color 59.2146, 0.3063, 0.3903.

# 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

59.2146, 0.3063, 0.3903

### Protanopia

58.6426, 0.3533, 0.3763

### Deuteranopia

58.5511, 0.3608, 0.3539



## Tritanopia

58.8917, 0.2775, 0.3084

# Trichromacy



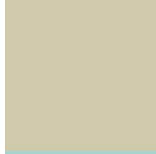
## Original Color

59.2146, 0.3063, 0.3903



## Protanomaly

58.4251, 0.3343, 0.3809



## Deuteranomaly

58.3031, 0.3388, 0.3663



## Tritanomaly

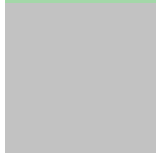
58.8878, 0.2874, 0.3364

# Monochromacy



## Original Color

59.2146, 0.3063, 0.3903



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

55.8111, 0.3102, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2146, 0.3063, 0.3903 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(163, 215, 168)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 215, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 215, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2146, 0.3063, 0.3903 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(163, 215, 168) }
```

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

```
.border{ border-color:rgb(163, 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(163, 215, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 215, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 215, 168);  
box-shadow:4px 4px 4px 4px rgb(163, 215,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2146, 0.3063, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 215, 168) }
```

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

```
.background{ background-color: rgb(163,  
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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