

# Converting Colors

Yxy(59.8185, 0.3170, 0.4171)

Have a look what the booklet for  
Yxy(59.8185, 0.3170, 0.4171)  
contains.

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# Color

**Yxy(59.5091, 0.3169, 0.4171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2D996
RGB	162, 217, 150
RGB Percent	64%, 85%, 59%
CMY	0.3648, 0.1490, 0.4118
CMYK	0.25, 0.00, 0.31, 0.15
HSL	109°, 47%, 72%
HSV	109°, 31%, 85%
XYZ	45.2132, 59.5091, 37.9511
YIQ	192.9170, -11.2730, -32.4970

# Conversions

## Conversions Part 2

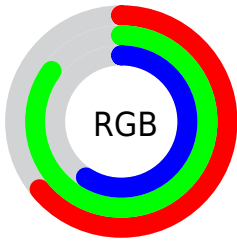
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">150, 217, 205</a>
Decimal	<a href="#">10672534</a>
CIELab	<a href="#">81.57, -30.25, 27.47</a>
CIELCh	<a href="#">82, 40.865, 137.754</a>
Yxy	<a href="#">59.5091, 0.3169, 0.4171</a>
Android (android.graphics.Color)	<a href="#">4288862614 (0xFFA2D996)</a>
YUV	<a href="#">192.9170, -21.1581, -27.1142</a>
Hunter-Lab	<a href="#">77.1421, -30.3794, 24.8310</a>

# Details

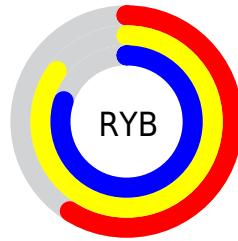
The Yxy color **59.5091, 0.3169, 0.4171** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8013, 0.3054, 0.2500**, and the grayscale version is **53.4064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8332, 0.3183, 0.3819**, and **29.9927, 0.3162, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **57.1406, 0.3174, 0.4505**, and if you desaturate by 10%, it is **62.2765, 0.3159, 0.3856**.

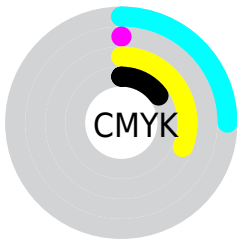
# Distribution



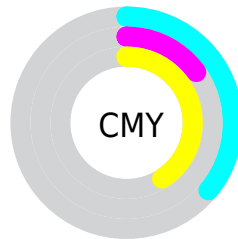
- Red (64%)
- Green (85%)
- Blue (59%)



- Red (59%)
- Yellow (85%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (15%)




- Cyan (36%)
- Magenta (15%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5091, 0.3169, 0.4171 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 59.5091, 0.3169, 0.4171 by changing the saturation by 10% instead.





 59.5091, 0.3169,  
0.4171


 59.5091, 0.3169,  
0.4171


422.7860, 0.3161,  
0.3729

 43.0231, 0.3167,  
0.4281


 104.1172, 0.3169,  
0.4010

 29.9032, 0.3162,  
0.4422


 133.0081, 0.3168,  
0.3950

 19.7651, 0.3152,  
0.4609


166.8028, 0.3167,  
0.3899

 12.2244, 0.3131,  
0.4865

205.8855, 0.3166,  
0.3855

 6.8967, 0.3084,  
0.5238

250.6409, 0.3165,  
0.3817

 3.3976, 0.2987,  
0.5844

301.4531, 0.3163,

 1.3427, 0.2630,

0.3784

0.7370

358.7067, 0.3162,  
0.3755

0.1739, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.5091, 0.3169,  
0.4171

59.5091, 0.3169,  
0.4171

57.1406, 0.3174,  
0.4505

62.2765, 0.3159,  
0.3856

55.1453, 0.3173,  
0.4847


65.4524, 0.3145,  
0.3569

53.5059, 0.3163,  
0.5176

69.0551, 0.3129,  
0.3311


52.2010, 0.3144,  
0.5470


73.0999, 0.3112,  
0.3084

 51.2064, 0.3117,  
0.5707

 77.3742, 0.3117,  
0.2917

 50.4949, 0.3083,  
0.5871

 78.1113, 0.3145,  
0.2920

 50.0590, 0.3052,  
0.5958

# Harmonies

## Analogous

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



59.5091, 0.3675, 0.4232



59.5091, 0.3169, 0.4171



59.5091, 0.2675, 0.3797

# Triad

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



59.5091, 0.3169, 0.4171



59.5091, 0.2257, 0.2528



59.5091, 0.3993, 0.3222

# Complementary

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



59.5091, 0.3169, 0.4171



39.8013, 0.3054, 0.2500

# 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.



59.5091, 0.3551, 0.2846



59.5091, 0.3169, 0.4171



59.5091, 0.2549, 0.2457

# Square

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



59.5091, 0.3169, 0.4171



59.5091, 0.2177, 0.2806



59.5091, 0.3013, 0.2574



59.5091, 0.4179, 0.3636



# Rectangle

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



59.5091, 0.3169, 0.4171



59.5091, 0.2418, 0.3447



59.5091, 0.3013, 0.2574



59.5091, 0.3868, 0.3089

# Sweetspot

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



59.5116, 0.3169, 0.4171



95.2084, 0.3142, 0.3520



60.4853, 0.3630, 0.3929



20.2231, 0.3144, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

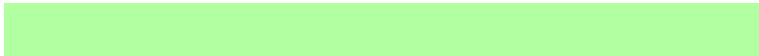


# Same Dimension

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



59.5116, 0.3169, 0.4171



83.4898, 0.3173, 0.4385



59.0625, 0.2955, 0.3899



14.7176, 0.3142, 0.3530



30.3323, 0.3059, 0.5953



1.9992, 0.3160, 0.5873



# Inverse Universe

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



39.8013, 0.3054, 0.2500



50.7864, 0.3033, 0.2332



40.5377, 0.3358, 0.2752



13.1510, 0.3109, 0.3058



8.8177, 0.2762, 0.1295

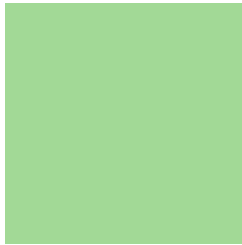


0.6027, 0.2839, 0.1338



# Previews

## White Background



This preview shows how the Yxy color 59.5091, 0.3169, 0.4171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

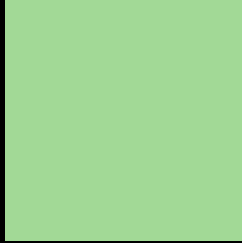
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.5091, 0.3169, 0.4171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

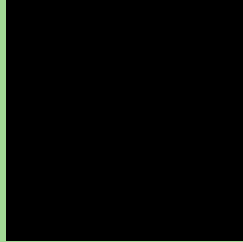
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.5091, 0.3169, 0.4171**

## Background



This preview shows how black text looks on a background with the Yxy color 59.5091, 0.3169, 0.4171.



This preview shows how white text looks on a background with the Yxy color 59.5091, 0.3169, 0.4171.

# 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

59.5091, 0.3169, 0.4171

### Protanopia

59.1297, 0.3700, 0.3979

### Deuteranopia

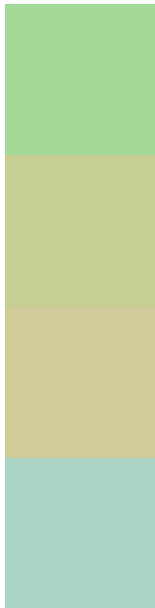
58.9547, 0.3798, 0.3724



## Tritanopia

59.4922, 0.2783, 0.3096

# Trichromacy



**Original Color**

59.5091, 0.3169, 0.4171

**Protanomaly**

58.7067, 0.3494, 0.4039

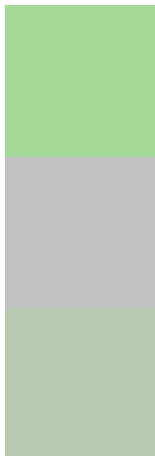
**Deuteranomaly**

58.2426, 0.3557, 0.3876

**Tritanomaly**

59.1658, 0.2926, 0.3466

# Monochromacy



**Original Color**

59.5091, 0.3169, 0.4171

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

55.3605, 0.3151, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.5091, 0.3169, 0.4171 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(162, 217, 150)` looks like.

```
.text, #text, p{  
    color:rgb(162, 217, 150)  
}
```

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(162, 217, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 217, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 59.5091, 0.3169, 0.4171 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(162, 217, 150) }
```

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

```
.border{ border-color:rgb(162, 217, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 217, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 217, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 217, 150);  
box-shadow:4px 4px 4px 4px rgb(162, 217,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.5091, 0.3169, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 217, 150) }
```

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

```
.background{ background-color: rgb(162,  
217, 150) }
```

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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