

# Converting Colors

$Yxy(59.2066, 0.3034, 0.3799)$

Have a look what the booklet for  
Yxy(59.2066, 0.3034, 0.3799)  
contains.

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# **Color**

**Yxy(59.1876, 0.3033, 0.3795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5D6AF
RGB	165, 214, 175
RGB Percent	65%, 84%, 69%
CMY	0.3528, 0.1608, 0.3139
CMYK	0.23, 0.00, 0.18, 0.16
HSL	132°, 37%, 74%
HSV	132°, 23%, 84%
XYZ	47.3033, 59.1876, 49.4712
YIQ	194.9030, -16.6850, -22.5170

# Conversions

## Conversions Part 2

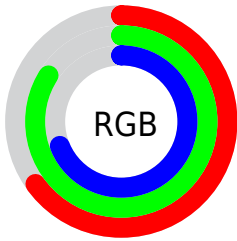
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 206, 214
Decimal	10868399
CIELab	81.39, -23.57, 14.17
CIELCh	81, 27.498, 148.989
Yxy	59.1876, 0.3033, 0.3795
Android (android.graphics.Color)	4289058479 (0xFFA5D6AF)
YUV	194.9030, -9.8122, -26.2249
Hunter-Lab	76.9335, -24.8811, 15.7277

# Details

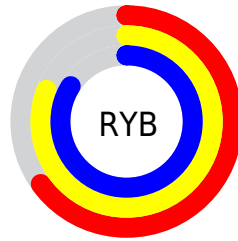
The Yxy color **59.1876, 0.3033, 0.3795** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.5802, 0.3238, 0.2833**, and the grayscale version is **54.5826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6617, 0.3054, 0.3538**, and **29.6462, 0.3005, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **56.4552, 0.2994, 0.4058**, and if you desaturate by 10%, it is **62.3936, 0.3074, 0.3557**.

# Distribution



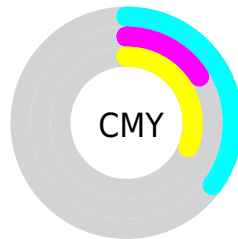
- Red (65%)
- Green (84%)
- Blue (69%)



- Red (65%)
- Yellow (81%)
- Blue (84%)



- Cyan (23%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)




- Cyan (35%)
- Magenta (16%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1876, 0.3033, 0.3795 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 59.1876, 0.3033, 0.3795 by changing the saturation by 10% instead.



 59.1876, 0.3033,  
0.3795


 59.1876, 0.3033,  
0.3795


421.5968, 0.3082,  
0.3544

 42.7642, 0.3020,  
0.3857


 103.6503, 0.3051,  
0.3704

 29.7001, 0.3003,  
0.3936


 132.4583, 0.3058,  
0.3670

 19.6111, 0.2980,  
0.4041


166.1633, 0.3064,  
0.3641

 12.1127, 0.2947,  
0.4186

205.1497, 0.3069,  
0.3616

 6.8204, 0.2895,  
0.4399

249.8018, 0.3073,  
0.3595

 3.3501, 0.2805,  
0.4742

300.5041, 0.3076,

 1.3171, 0.2684,

0.3576

0.5668

357.6410, 0.3080,  
0.3559

0.1544, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.1876, 0.3033,  
0.3795

59.1876, 0.3033,  
0.3795

56.4552, 0.2994,  
0.4058

62.3936, 0.3074,  
0.3557

54.1667, 0.2959,  
0.4343

66.0865, 0.3115,  
0.3346

52.3006, 0.2931,  
0.4642

70.2883, 0.3156,  
0.3161

50.8304, 0.2912,  
0.4942

75.0174, 0.3194,  
0.2999

■ 49.7268, 0.2905,  
0.5229

■ 76.5736, 0.3146,  
0.2891

■ 48.9562, 0.2911,  
0.5485

■ 48.4784, 0.2930,  
0.5693

■ 48.2712, 0.2947,  
0.5808

# Harmonies

## Analogous

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



59.1876, 0.3387, 0.3925



59.1876, 0.3033, 0.3795



59.1876, 0.2717, 0.3503

# Triad

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



59.1876, 0.3033, 0.3795



59.1876, 0.2586, 0.2730



59.1876, 0.3779, 0.3364

# Complementary

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



59.1876, 0.3033, 0.3795



45.5802, 0.3238, 0.2833

# 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.



59.1876, 0.3540, 0.3079



59.1876, 0.3033, 0.3795



59.1876, 0.2844, 0.2724

# Square

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



59.1876, 0.3033, 0.3795



59.1876, 0.2470, 0.2880



59.1876, 0.3192, 0.2851



59.1876, 0.3830, 0.3647



# Rectangle

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



59.1876, 0.3033, 0.3795



59.1876, 0.2567, 0.3271



59.1876, 0.3192, 0.2851



59.1876, 0.3717, 0.3266

# Sweetspot

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



59.1901, 0.3033, 0.3795



95.8876, 0.3098, 0.3431



63.6780, 0.3393, 0.3872



20.4518, 0.3096, 0.3444



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

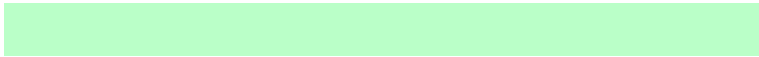


# Same Dimension

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



59.1901, 0.3033, 0.3795



86.1537, 0.3015, 0.3908



60.2341, 0.2879, 0.3474



13.9368, 0.3088, 0.3481



29.1886, 0.2941, 0.5787



1.7726, 0.2851, 0.5465



# Inverse Universe

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



45.5802, 0.3238, 0.2833



62.7936, 0.3264, 0.2743



44.5015, 0.3457, 0.3114



12.5875, 0.3168, 0.3106



10.4238, 0.3796, 0.1865

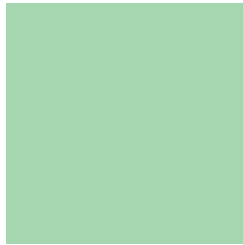


0.6399, 0.3676, 0.1799



# Previews

## White Background



This preview shows how the Yxy color 59.1876, 0.3033, 0.3795 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 59.1876, 0.3033, 0.3795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

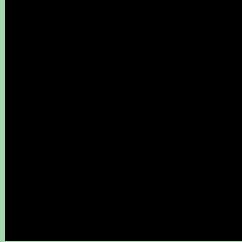
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.1876, 0.3033, 0.3795**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1876, 0.3033, 0.3795.

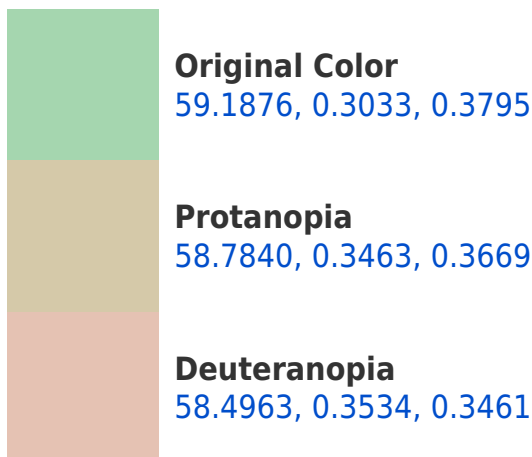


This preview shows how white text looks on a background with the Yxy color 59.1876, 0.3033, 0.3795.

# 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





## Tritanopia

59.0061, 0.2782, 0.3084

# Trichromacy



## Original Color

59.1876, 0.3033, 0.3795

## Protanomaly

58.8187, 0.3300, 0.3719

## Deuteranomaly

58.1095, 0.3337, 0.3566

## Tritanomaly

59.2073, 0.2875, 0.3339

# Monochromacy



## Original Color

59.1876, 0.3033, 0.3795

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

56.0622, 0.3088, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1876, 0.3033, 0.3795 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(165, 214, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 214, 175)  
}
```

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(165, 214, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 214, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1876, 0.3033, 0.3795 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(165, 214, 175) }
```

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

```
.border{ border-color:rgb(165, 214, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 214, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 214, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 214, 175);  
box-shadow:4px 4px 4px 4px rgb(165, 214,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1876, 0.3033, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 214, 175) }
```

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

```
.background{ background-color: rgb(165,  
214, 175) }
```

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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