

# Converting Colors

Yxy(64.4338, 0.3063, 0.3911)

Have a look what the booklet for  
Yxy(64.4338, 0.3063, 0.3911)  
contains.

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# Color

**Yxy(64.2664, 0.3064, 0.3908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9DFAE
RGB	169, 223, 174
RGB Percent	66%, 87%, 68%
CMY	0.3373, 0.1255, 0.3176
CMYK	0.24, 0.00, 0.22, 0.13
HSL	126°, 46%, 77%
HSV	126°, 24%, 87%
XYZ	50.3870, 64.2664, 49.7949
YIQ	201.2680, -16.4550, -26.6870

# Conversions

## Conversions Part 2

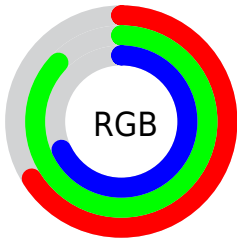
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 218, 223
Decimal	11132846
CIELab	84.10, -26.82, 18.50
CIElCh	84, 32.583, 145.394
Yxy	64.2664, 0.3064, 0.3908
Android (android.graphics.Color)	4289322926 (0xFFA9DFAE)
YUV	201.2680, -13.4431, -28.2990
Hunter-Lab	80.1663, -28.0984, 19.2887

# Details

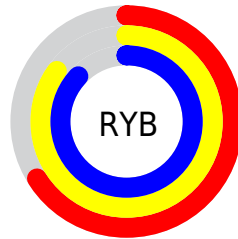
The Yxy color **64.2664, 0.3064, 0.3908** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.1196, 0.3196, 0.2741**, and the grayscale version is **58.6755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2407, 0.3084, 0.3546**, and **33.0987, 0.3046, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **61.2792, 0.3038, 0.4214**, and if you desaturate by 10%, it is **67.7985, 0.3091, 0.3631**.

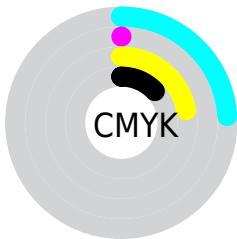
# Distribution



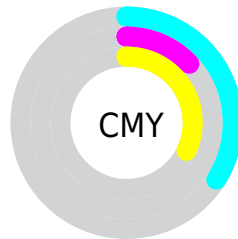
- Red (66%)
- Green (87%)
- Blue (68%)



- Red (66%)
- Yellow (85%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)



- Cyan (34%)
- Magenta (13%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2664, 0.3064, 0.3908 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 64.2664, 0.3064, 0.3908 by changing the saturation by 10% instead.



64.2664, 0.3064,  
0.3908

64.2664, 0.3064,  
0.3908

440.1510, 0.3100,  
0.3604

46.8665, 0.3054,  
0.3982

110.9945, 0.3078,  
0.3799

32.9301, 0.3040,  
0.4077

141.0915, 0.3083,  
0.3757

22.0729, 0.3021,  
0.4201

176.1896, 0.3087,  
0.3722

13.9105, 0.2993,  
0.4370

216.6732, 0.3090,  
0.3692

8.0584, 0.2947,  
0.4615

262.9268, 0.3093,  
0.3666

4.1324, 0.2865,  
0.4998

315.3347, 0.3096,

1.7479, 0.2780,

0.3642

0.5858

374.2813, 0.3098,  
0.3622

0.4544, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.2664, 0.3064,  
0.3908

64.2664, 0.3064,  
0.3908

61.2792, 0.3038,  
0.4214

67.7985, 0.3091,  
0.3631

58.8021, 0.3013,  
0.4540

71.8920, 0.3117,  
0.3385

56.8089, 0.2993,  
0.4875

76.5731, 0.3141,  
0.3169

55.2678, 0.2978,  
0.5199

81.2544, 0.3142,  
0.2980

■ 54.1432, 0.2971,  
0.5489

■ 81.2600, 0.3142,  
0.2980

■ 53.3941, 0.2972,  
0.5724

■ 52.9711, 0.2980,  
0.5886

■ 52.8331, 0.2985,  
0.5946

# Harmonies

## Analogous

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



64.2664, 0.3469, 0.4028



64.2664, 0.3064, 0.3908



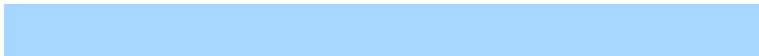
64.2664, 0.2692, 0.3582

# Triad

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



64.2664, 0.3064, 0.3908



64.2664, 0.2482, 0.2660



64.2664, 0.3857, 0.3329

# Complementary

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



64.2664, 0.3064, 0.3908



49.1196, 0.3196, 0.2741

# 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.



64.2664, 0.3558, 0.3011



64.2664, 0.3064, 0.3908



64.2664, 0.2758, 0.2637

# Square

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



64.2664, 0.3064, 0.3908



64.2664, 0.2372, 0.2847



64.2664, 0.3149, 0.2765



64.2664, 0.3943, 0.3657



# Rectangle

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



64.2664, 0.3064, 0.3908



64.2664, 0.2510, 0.3313



64.2664, 0.3149, 0.2765



64.2664, 0.3777, 0.3219

# Sweetspot

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



64.2691, 0.3064, 0.3908



95.7711, 0.3109, 0.3451



70.6274, 0.3457, 0.3900



20.4249, 0.3108, 0.3466



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

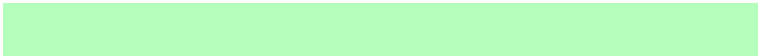


# Same Dimension

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



64.2691, 0.3064, 0.3908



84.9774, 0.3051, 0.4057



65.4064, 0.2902, 0.3566



15.3578, 0.3103, 0.3509



31.0696, 0.2982, 0.5934



2.1608, 0.2934, 0.5763



# Inverse Universe

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



49.1196, 0.3196, 0.2741



61.1131, 0.3213, 0.2627



47.8417, 0.3425, 0.3030



13.9125, 0.3152, 0.3080



11.7480, 0.3457, 0.1678

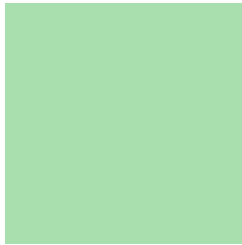


0.8208, 0.3414, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 64.2664, 0.3064, 0.3908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

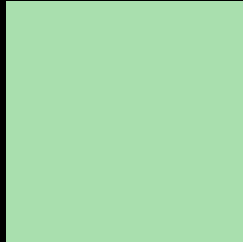
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2664, 0.3064, 0.3908 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 64.2664, 0.3064, 0.3908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2664, 0.3064, 0.3908.



This preview shows how white text looks on a background with the Yxy color 64.2664, 0.3064, 0.3908.

# 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

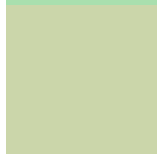
64.0108, 0.2774, 0.3090

# Trichromacy



## Original Color

64.2664, 0.3064, 0.3908



## Protanomaly

63.6919, 0.3349, 0.3814



## Deuteranomaly

63.0714, 0.3395, 0.3662



## Tritanomaly

63.9599, 0.2875, 0.3374

# Monochromacy



## Original Color

64.2664, 0.3064, 0.3908



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.1813, 0.3102, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2664, 0.3064, 0.3908 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, 223, 174)` looks like.

```
.text, #text, p{  
    color:rgb(169, 223, 174)  
}
```

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, 223, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 223, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2664, 0.3064, 0.3908 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, 223, 174) }
```

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

```
.border{ border-color:rgb(169, 223, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 223, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 223, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 223, 174);  
box-shadow:4px 4px 4px 4px rgb(169, 223,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2664, 0.3064, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 223, 174) }
```

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

```
.background{ background-color: rgb(169,  
223, 174) }
```

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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