

# Converting Colors

Yxy(63.4820, 0.3055, 0.4208)

Have a look what the booklet for  
Yxy(63.4820, 0.3055, 0.4208)  
contains.

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# Color

**Yxy(63.4684, 0.3058, 0.4206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98E29C
RGB	152, 226, 156
RGB Percent	60%, 89%, 61%
CMY	0.4040, 0.1137, 0.3881
CMYK	0.33, 0.00, 0.31, 0.11
HSL	123°, 56%, 74%
HSV	123°, 33%, 89%
XYZ	46.1451, 63.4684, 41.2861
YIQ	195.8940, -21.6340, -37.4580

# Conversions

## Conversions Part 2

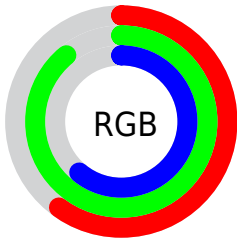
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 222, 226
Decimal	10019484
CIELab	83.69, -36.71, 27.12
CIElCh	84, 45.644, 143.550
Yxy	63.4684, 0.3058, 0.4206
Android (android.graphics.Color)	4288209564 (0xFF98E29C)
YUV	195.8940, -19.6677, -38.4950
Hunter-Lab	79.6671, -36.0258, 25.0409

# Details

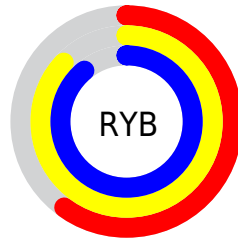
The Yxy color **63.4684, 0.3058, 0.4206** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.8904, 0.3200, 0.2519**, and the grayscale version is **55.2651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6330, 0.3087, 0.3763**, and **32.3456, 0.3025, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **60.8331, 0.3037, 0.4543**, and if you desaturate by 10%, it is **66.6518, 0.3080, 0.3891**.

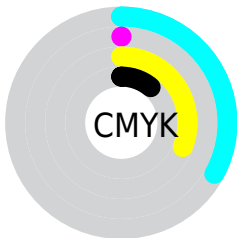
# Distribution



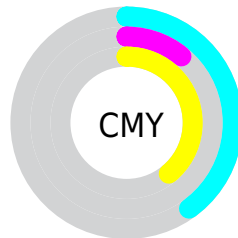
- Red (60%)
- Green (89%)
- Blue (61%)



- Red (60%)
- Yellow (87%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4684, 0.3058, 0.4206 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 63.4684, 0.3058, 0.4206 by changing the saturation by 10% instead.




 63.4684, 0.3058,  
0.4206

 63.4684, 0.3058,  
0.4206


437.2674, 0.3104,  
0.3748

 46.2202, 0.3043,  
0.4319

 109.8450, 0.3077,  
0.4040

 32.4197, 0.3023,  
0.4464


 139.7422, 0.3084,  
0.3978

 21.6822, 0.2992,  
0.4655


174.6246, 0.3089,  
0.3925

 13.6236, 0.2944,  
0.4917

214.8765, 0.3093,  
0.3879

 7.8593, 0.2863,  
0.5296

260.8823, 0.3096,  
0.3840

 4.0051, 0.2708,  
0.5882

313.0265, 0.3099,

 1.6764, 0.2450,

0.3806

0.7550

371.6934, 0.3102,  
0.3775

0.4083, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.4684, 0.3058,  
0.4206

63.4684, 0.3058,  
0.4206

60.8331, 0.3037,  
0.4543

66.6518, 0.3080,  
0.3891

58.7076, 0.3017,  
0.4889

70.4032, 0.3101,  
0.3606

57.0611, 0.3002,  
0.5223

74.7514, 0.3122,  
0.3354

55.8564, 0.2992,  
0.5519

79.7207, 0.3141,  
0.3134

■ 55.0508, 0.2988,  
0.5753

■ 82.8762, 0.3140,  
0.3009

■ 54.5929, 0.2990,  
0.5909

■ 54.4238, 0.2992,  
0.5973

# Harmonies

## Analogous

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



63.4684, 0.3619, 0.4336



63.4684, 0.3058, 0.4206



63.4684, 0.2543, 0.3739

# Triad

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



63.4684, 0.3058, 0.4206



63.4684, 0.2228, 0.2430



63.4684, 0.4140, 0.3296

# Complementary

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



63.4684, 0.3058, 0.4206



43.8904, 0.3200, 0.2519

# 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.



63.4684, 0.3697, 0.2879



63.4684, 0.3058, 0.4206



63.4684, 0.2582, 0.2398

# Square

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



63.4684, 0.3058, 0.4206



63.4684, 0.2097, 0.2682



63.4684, 0.3112, 0.2561



63.4684, 0.4275, 0.3743



# Rectangle

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



63.4684, 0.3058, 0.4206



63.4684, 0.2292, 0.3344



63.4684, 0.3112, 0.2561



63.4684, 0.4021, 0.3150

# Sweetspot

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



63.4711, 0.3058, 0.4206



94.0241, 0.3107, 0.3535



72.2403, 0.3592, 0.4113



19.9592, 0.3104, 0.3572



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

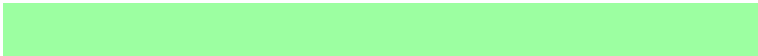


# Same Dimension

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



63.4711, 0.3058, 0.4206



81.1164, 0.3044, 0.4424



64.9061, 0.2845, 0.3713



15.3494, 0.3108, 0.3519



31.0522, 0.2990, 0.5963



2.1567, 0.2960, 0.5858



# Inverse Universe

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



43.8904, 0.3200, 0.2519



51.7600, 0.3217, 0.2370



42.1343, 0.3543, 0.2906



13.9220, 0.3146, 0.3071



11.9886, 0.3351, 0.1620



0.8350, 0.3327, 0.1606



# Previews

## White Background



This preview shows how the Yxy color 63.4684, 0.3058, 0.4206 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 63.4684, 0.3058, 0.4206 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 63.4684, 0.3058, 0.4206**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4684, 0.3058, 0.4206.

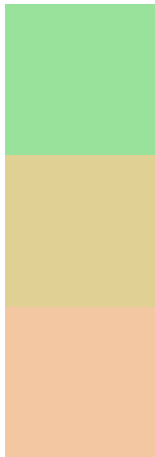


This preview shows how white text looks on a background with the Yxy color 63.4684, 0.3058, 0.4206.

# 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**

63.4684, 0.3058, 0.4206

**Protanopia**

63.0972, 0.3692, 0.3972

**Deuteranopia**

62.5102, 0.3775, 0.3692



## Tritanopia

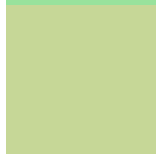
63.2104, 0.2695, 0.3087

# Trichromacy



## Original Color

63.4684, 0.3058, 0.4206



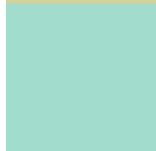
## Protanomaly

62.8410, 0.3439, 0.4064



## Deuteranomaly

61.8406, 0.3487, 0.3869



## Tritanomaly

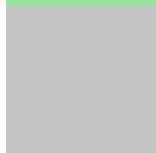
63.2756, 0.2830, 0.3476

# Monochromacy



## Original Color

63.4684, 0.3058, 0.4206



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

57.6651, 0.3104, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4684, 0.3058, 0.4206 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(152, 226, 156)` looks like.

```
.text, #text, p{  
    color:rgb(152, 226, 156)  
}
```

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(152, 226, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 226, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4684, 0.3058, 0.4206 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(152, 226, 156) }
```

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

```
.border{ border-color:rgb(152, 226, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 226, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 226, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 226, 156);  
box-shadow:4px 4px 4px 4px rgb(152, 226,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4684, 0.3058, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 226, 156) }
```

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

```
.background{ background-color: rgb(152,  
226, 156) }
```

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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