

# Converting Colors

Yxy(58.0746, 0.3565, 0.4125)

Have a look what the booklet for  
Yxy(58.0746, 0.3565, 0.4125)  
contains.

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# Color

**Yxy(58.1197, 0.3562, 0.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7CE8A
RGB	199, 206, 138
RGB Percent	78%, 81%, 54%
CMY	0.2197, 0.1921, 0.4586
CMYK	0.03, 0.00, 0.33, 0.19
HSL	66°, 41%, 67%
HSV	66°, 33%, 81%
XYZ	50.2116, 58.1197, 32.6333
YIQ	196.1550, 17.6560, -22.6320

# Conversions

## Conversions Part 2

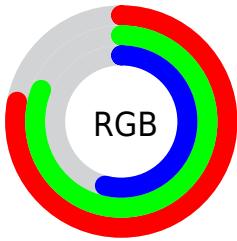
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 206, 145
Decimal	13094538
CIELab	80.81, -13.07, 33.06
CIElCh	81, 35.551, 111.567
Yxy	58.1197, 0.3562, 0.4123
Android (android.graphics.Color)	4291284618 (0xFFC7CE8A)
YUV	196.1550, -28.6704, 2.4951
Hunter-Lab	76.2363, -15.8478, 27.9860

# Details

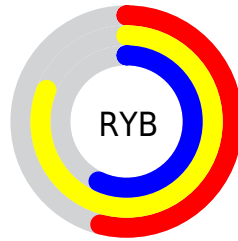
The Yxy color **58.1197, 0.3562, 0.4123** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.6727, 0.2599, 0.2334**, and the grayscale version is **55.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **29.0739, 0.3657, 0.4348** is the 20% darker color. If you saturate the color by 10%, you get **57.2918, 0.3685, 0.4371**, and if you desaturate by 10%, it is **59.0701, 0.3431, 0.3867**.

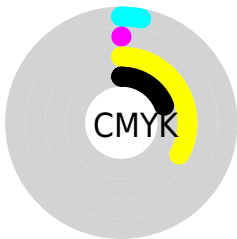
# Distribution



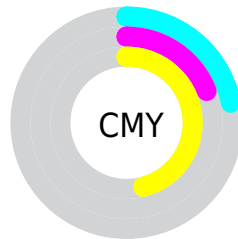
- Red (78%)
- Green (81%)
- Blue (54%)



- Red (54%)
- Yellow (81%)
- Blue (57%)



- Cyan (3%)
- Magenta (0%)
- Yellow (33%)
- Black (19%)




- Cyan (22%)
- Magenta (19%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1197, 0.3562, 0.4123 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 58.1197, 0.3562, 0.4123 by changing the saturation by 10% instead.





 58.1197, 0.3562,  
0.4123


 58.1197, 0.3562,  
0.4123


417.6318, 0.3362,  
0.3715


 41.9049, 0.3606,  
0.4221

 102.0971, 0.3494,  
0.3977

 29.0268, 0.3659,  
0.4344


 130.6286, 0.3467,  
0.3922

 19.1011, 0.3722,  
0.4502


 164.0343, 0.3443,  
0.3875

 11.7434, 0.3798,  
0.4711

202.6988, 0.3423,  
0.3834

 6.5692, 0.3885,  
0.4996

247.0064, 0.3405,  
0.3798

 3.1942, 0.4089,  
0.5568

297.3415, 0.3389,

 1.2339, 0.3986,

0.3767

0.6014

354.0885, 0.3375,  
0.3740

■ 0.0892, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1197, 0.3562,  
0.4123

■ 58.1197, 0.3562,  
0.4123

■ 57.2918, 0.3685,  
0.4371

■ 59.0701, 0.3431,  
0.3867

■ 56.5720, 0.3795,  
0.4601


■ 60.1411, 0.3298,  
0.3611

■ 55.9561, 0.3885,  
0.4802


■ 61.3408, 0.3166,  
0.3362

■ 55.4359, 0.3953,  
0.4966


■ 62.6744, 0.3038,  
0.3126


 55.0025, 0.3995,  
0.5086

 64.1467, 0.2918,  
0.2905

 54.6449, 0.4011,  
0.5163

 65.3266, 0.2845,  
0.2766

 54.4258, 0.4012,  
0.5197

 65.6446, 0.2860,  
0.2768

 65.9667, 0.2874,  
0.2770

 66.2930, 0.2889,  
0.2772

# Harmonies

## Analogous

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



58.1197, 0.3912, 0.3965



58.1197, 0.3562, 0.4123



58.1197, 0.3111, 0.4026

# Triad

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



58.1197, 0.3562, 0.4123



58.1197, 0.2282, 0.2827



58.1197, 0.3558, 0.2936

# Complementary

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



58.1197, 0.3562, 0.4123



28.6727, 0.2599, 0.2334

# Split Complementary

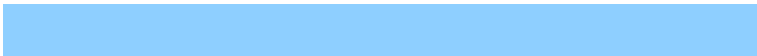
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.1197, 0.3089, 0.2677



58.1197, 0.3562, 0.4123



58.1197, 0.2379, 0.2599

# Square

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



58.1197, 0.3562, 0.4123



58.1197, 0.2388, 0.3218



58.1197, 0.2663, 0.2554



58.1197, 0.3921, 0.3282



# Rectangle

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



58.1197, 0.3562, 0.4123



58.1197, 0.2816, 0.3815



58.1197, 0.2663, 0.2554



58.1197, 0.3405, 0.2838

# Sweetspot

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



58.1223, 0.3562, 0.4123



97.9689, 0.3260, 0.3538



35.1617, 0.3859, 0.3380



20.9120, 0.3279, 0.3574



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.



58.1223, 0.3562, 0.4123



93.1357, 0.3655, 0.4311



54.0063, 0.3286, 0.4203



13.0356, 0.3250, 0.3520



33.5360, 0.4014, 0.5195



1.7474, 0.4051, 0.5165



# Inverse Universe

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



28.6727, 0.2599, 0.2334



37.8459, 0.2453, 0.2079



32.2094, 0.2904, 0.2412



10.8985, 0.2998, 0.3051



2.8643, 0.1539, 0.0621

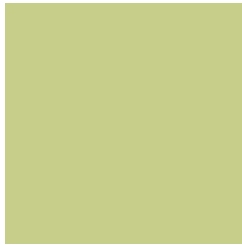


0.1671, 0.1656, 0.0686



# Previews

## White Background



This preview shows how the Yxy color 58.1197, 0.3562, 0.4123 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 58.1197, 0.3562, 0.4123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

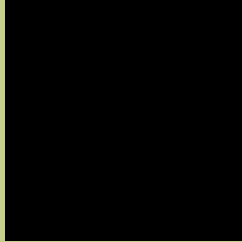
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

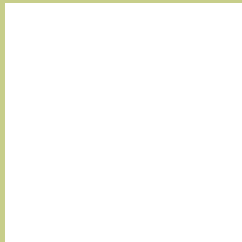
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1197, 0.3562, 0.4123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1197, 0.3562, 0.4123.



This preview shows how white text looks on a background with the Yxy color 58.1197, 0.3562, 0.4123.

# 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

58.1197, 0.3562, 0.4123

### Protanopia

57.8378, 0.3752, 0.4040

### Deuteranopia

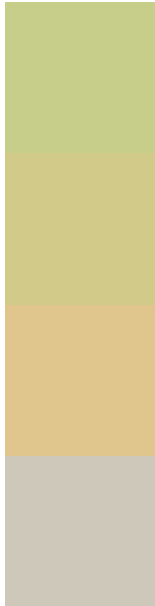
57.9731, 0.3937, 0.3852



## Tritanopia

58.0959, 0.3104, 0.3117

# Trichromacy



**Original Color**

58.1197, 0.3562, 0.4123

**Protanomaly**

57.7488, 0.3676, 0.4066

**Deuteranomaly**

57.6732, 0.3794, 0.3947

**Tritanomaly**

57.7905, 0.3277, 0.3470

# Monochromacy



**Original Color**

58.1197, 0.3562, 0.4123

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.2740, 0.3288, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1197, 0.3562, 0.4123 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(199, 206, 138)` looks like.

```
.text, #text, p{  
    color:rgb(199, 206, 138)  
}
```

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(199, 206, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 206, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1197, 0.3562, 0.4123 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(199, 206, 138) }
```

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

```
.border{ border-color:rgb(199, 206, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 206, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 206, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 206, 138);  
box-shadow:4px 4px 4px 4px rgb(199, 206,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1197, 0.3562, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 206, 138) }
```

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

```
.background{ background-color: rgb(199,  
206, 138) }
```

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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