

# Converting Colors

$Yxy(58.2603, 0.3239, 0.3847)$

Have a look what the booklet for  
Yxy(58.2603, 0.3239, 0.3847)  
contains.

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# Color

**Yxy(58.3848, 0.3236, 0.3847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D1A5
RGB	183, 209, 165
RGB Percent	72%, 82%, 65%
CMY	0.2825, 0.1803, 0.3530
CMYK	0.12, 0.00, 0.21, 0.18
HSL	96°, 32%, 73%
HSV	96°, 21%, 82%
XYZ	49.1118, 58.3848, 44.2705
YIQ	196.2100, -1.3720, -19.1960

# Conversions

## Conversions Part 2

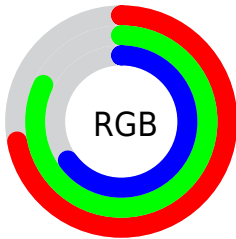
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 209, 191
Decimal	12046757
CIELab	80.95, -16.67, 18.99
CIElCh	81, 25.274, 131.281
Yxy	58.3848, 0.3236, 0.3847
Android (android.graphics.Color)	4290236837 (0xFFB7D1A5)
YUV	196.2100, -15.3865, -11.5852
Hunter-Lab	76.4099, -18.9881, 19.1355

# Details

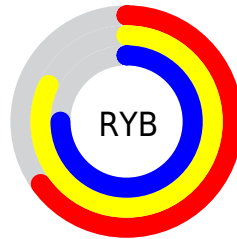
The Yxy color **58.3848, 0.3236, 0.3847** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.5913, 0.2994, 0.2745**, and the grayscale version is **55.4258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0380, 0.3230, 0.3642**, and **29.3808, 0.3261, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **56.2371, 0.3283, 0.4144**, and if you desaturate by 10%, it is **60.7953, 0.3185, 0.3570**.

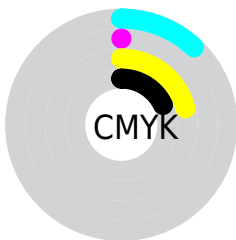
# Distribution



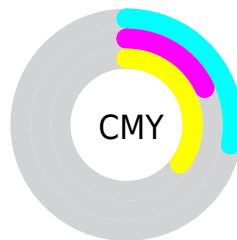
- Red (72%)
- Green (82%)
- Blue (65%)



- Red (65%)
- Yellow (82%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (21%)
- Black (18%)




- Cyan (28%)
- Magenta (18%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3848, 0.3236, 0.3847 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 58.3848, 0.3236, 0.3847 by changing the saturation by 10% instead.




 58.3848, 0.3236,  
0.3847


 58.3848, 0.3236,  
0.3847

418.6183, 0.3188,  
0.3571

 42.1181, 0.3246,  
0.3915

 102.4830, 0.3220,  
0.3747

 29.1938, 0.3258,  
0.4001


 131.0833, 0.3214,  
0.3710

 19.2274, 0.3272,  
0.4115


164.5635, 0.3208,  
0.3678

 11.8347, 0.3288,  
0.4272

203.3082, 0.3203,  
0.3651

 6.6313, 0.3304,  
0.4499

247.7016, 0.3199,  
0.3627

 3.2326, 0.3313,  
0.4858

298.1281, 0.3195,

 1.2543, 0.3727,

0.3606

0.6273

354.9722, 0.3191,  
0.3588

0.1054, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.3848, 0.3236,  
0.3847

58.3848, 0.3236,  
0.3847

56.2371, 0.3283,  
0.4144

60.7953, 0.3185,  
0.3570

54.3350, 0.3322,  
0.4453

63.4699, 0.3133,  
0.3316

52.6711, 0.3350,  
0.4763

66.4195, 0.3081,  
0.3086

51.2345, 0.3364,  
0.5061

69.6522, 0.3030,  
0.2881

■ 50.0133, 0.3359,  
0.5327

■ 72.2068, 0.3075,  
0.2831

■ 48.9941, 0.3335,  
0.5547

■ 74.0890, 0.3148,  
0.2841

■ 48.1619, 0.3293,  
0.5708

■ 47.5553, 0.3245,  
0.5806

# Harmonies

## Analogous

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



58.3848, 0.3541, 0.3861



58.3848, 0.3236, 0.3847



58.3848, 0.2912, 0.3657

# Triad

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



58.3848, 0.3236, 0.3847



58.3848, 0.2544, 0.2839



58.3848, 0.3616, 0.3200

# Complementary

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



58.3848, 0.3236, 0.3847



42.5913, 0.2994, 0.2745

# 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.



58.3848, 0.3325, 0.2960



58.3848, 0.3236, 0.3847



58.3848, 0.2710, 0.2752

# Square

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



58.3848, 0.3236, 0.3847



58.3848, 0.2524, 0.3053



58.3848, 0.2992, 0.2799



58.3848, 0.3770, 0.3472



# Rectangle

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



58.3848, 0.3236, 0.3847



58.3848, 0.2729, 0.3462



58.3848, 0.2992, 0.2799



58.3848, 0.3530, 0.3114

# Sweetspot

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



58.3873, 0.3236, 0.3847



97.3764, 0.3159, 0.3440



53.3917, 0.3485, 0.3602



20.7835, 0.3163, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

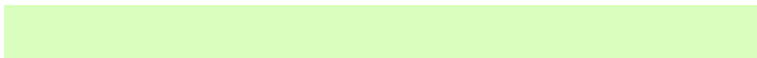


# Same Dimension

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



58.3873, 0.3236, 0.3847



90.0861, 0.3256, 0.3970



56.4584, 0.3075, 0.3821



13.4385, 0.3177, 0.3526



29.3704, 0.3255, 0.5797



1.6881, 0.3402, 0.5681



# Inverse Universe

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



42.5913, 0.2994, 0.2745



61.2450, 0.2962, 0.2628



44.8873, 0.3183, 0.2811



11.7585, 0.3073, 0.3056



5.5249, 0.2220, 0.0997



0.3547, 0.2399, 0.1095



# Previews

## White Background



This preview shows how the Yxy color 58.3848, 0.3236, 0.3847 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 58.3848, 0.3236, 0.3847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

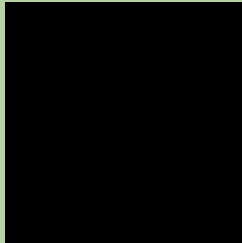
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3848, 0.3236, 0.3847**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3848, 0.3236, 0.3847.



This preview shows how white text looks on a background with the Yxy color 58.3848, 0.3236, 0.3847.

# 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

58.3848, 0.3236, 0.3847

### Protanopia

58.0279, 0.3527, 0.3753

### Deuteranopia

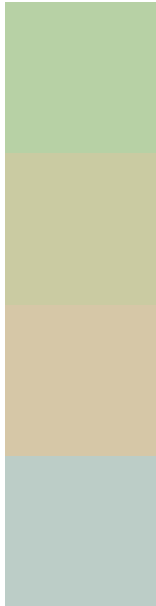
57.9560, 0.3644, 0.3574



## Tritanopia

58.3794, 0.2934, 0.3100

# Trichromacy



**Original Color**

58.3848, 0.3236, 0.3847

**Protanomaly**

57.8771, 0.3420, 0.3790

**Deuteranomaly**

57.9330, 0.3491, 0.3669

**Tritanomaly**

58.4775, 0.3041, 0.3363

# Monochromacy



**Original Color**

58.3848, 0.3236, 0.3847

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.3524, 0.3165, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3848, 0.3236, 0.3847 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(183, 209, 165)` looks like.

```
.text, #text, p{  
    color:rgb(183, 209, 165)  
}
```

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(183, 209, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 209, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3848, 0.3236, 0.3847 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(183, 209, 165) }
```

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

```
.border{ border-color:rgb(183, 209, 165) }
```

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

Here you see how a box with a 4 pixel rgb(183, 209, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 209, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 209, 165);  
box-shadow:4px 4px 4px 4px rgb(183, 209,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3848, 0.3236, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 209, 165) }
```

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

```
.background{ background-color: rgb(183,  
209, 165) }
```

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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