

# Converting Colors

$Yxy(58.0502, 0.3352, 0.4085)$

Have a look what the booklet for  
Yxy(58.0502, 0.3352, 0.4085)  
contains.

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# Color

**Yxy(58.1449, 0.3351, 0.4093)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B6D293
RGB	182, 210, 147
RGB Percent	71%, 82%, 58%
CMY	0.2863, 0.1765, 0.4236
CMYK	0.13, 0.00, 0.30, 0.18
HSL	87°, 41%, 70%
HSV	87°, 30%, 82%
XYZ	47.6041, 58.1449, 36.3104
YIQ	194.4460, 3.5350, -25.5290

# Conversions

## Conversions Part 2

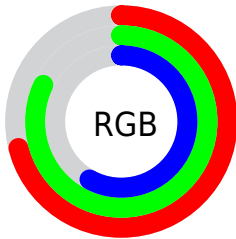
Format	Color
<b>RYB</b>	147, 210, 175
Decimal	11981459
CIELab	80.82, -20.25, 28.24
CIELCh	81, 34.748, 125.646
Yxy	58.1449, 0.3351, 0.4093
Android (android.graphics.Color)	4290171539 (0xFFB6D293)
YUV	194.4460, -23.3909, -10.9151
Hunter-Lab	76.2528, -22.0061, 25.1440

# Details

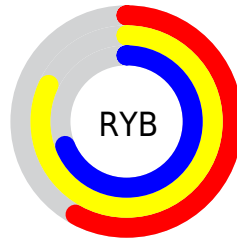
The Yxy color **58.1449, 0.3351, 0.4093** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.6279, 0.2840, 0.2475**, and the grayscale version is **54.3676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9142, 0.3335, 0.3840**, and **28.8764, 0.3391, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **56.4488, 0.3416, 0.4385**, and if you desaturate by 10%, it is **60.0422, 0.3279, 0.3809**.

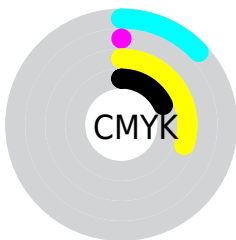
# Distribution



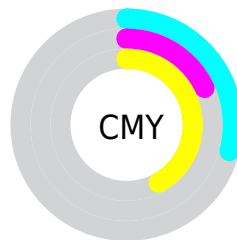
- Red (71%)
- Green (82%)
- Blue (58%)



- Red (58%)
- Yellow (82%)
- Blue (69%)



- Cyan (13%)
- Magenta (0%)
- Yellow (30%)
- Black (18%)




- Cyan (29%)
- Magenta (18%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1449, 0.3351, 0.4093 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 58.1449, 0.3351, 0.4093 by changing the saturation by 10% instead.





 58.1449, 0.3351,  
0.4093


 58.1449, 0.3351,  
0.4093


417.7256, 0.3252,  
0.3694

 41.9252, 0.3371,  
0.4191


 102.1338, 0.3318,  
0.3949

 29.0427, 0.3395,  
0.4316


 130.6718, 0.3305,  
0.3894

 19.1131, 0.3422,  
0.4480


164.0847, 0.3294,  
0.3848

 11.7520, 0.3450,  
0.4703

202.7568, 0.3283,  
0.3808

 6.5751, 0.3475,  
0.5022

247.0725, 0.3274,  
0.3774

 3.1978, 0.3509,  
0.5560

297.4163, 0.3266,

 1.2359, 0.3426,

0.3744

0.6574

354.1726, 0.3259,  
0.3717

0.0907, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.1449, 0.3351,  
0.4093

58.1449, 0.3351,  
0.4093

56.4488, 0.3416,  
0.4385

60.0422, 0.3279,  
0.3809

54.9381, 0.3469,  
0.4675

62.1404, 0.3203,  
0.3540

53.6068, 0.3506,  
0.4949

64.4492, 0.3127,  
0.3290

52.4453, 0.3523,  
0.5195

66.9752, 0.3053,  
0.3062

■ 51.4429, 0.3516,  
0.5398

■ 69.7248, 0.2981,  
0.2855

■ 50.5870, 0.3487,  
0.5548

■ 71.4907, 0.3027,  
0.2834

■ 49.8569, 0.3439,  
0.5651

■ 73.1478, 0.3093,  
0.2843

■ 74.5757, 0.3148,  
0.2851

# Harmonies

## Analogous

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



58.1449, 0.3754, 0.4049



58.1449, 0.3351, 0.4093



58.1449, 0.2905, 0.3873

# Triad

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



58.1449, 0.3351, 0.4093



58.1449, 0.2320, 0.2711



58.1449, 0.3736, 0.3096

# Complementary

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



58.1449, 0.3351, 0.4093



34.6279, 0.2840, 0.2475

# 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.



58.1449, 0.3308, 0.2795



58.1449, 0.3351, 0.4093



58.1449, 0.2504, 0.2571

# Square

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



58.1449, 0.3351, 0.4093



58.1449, 0.2330, 0.3025



58.1449, 0.2856, 0.2607



58.1449, 0.3995, 0.3454



# Rectangle

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



58.1449, 0.3351, 0.4093



58.1449, 0.2645, 0.3609



58.1449, 0.2856, 0.2607



58.1449, 0.3606, 0.2986

# Sweetspot

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



58.1474, 0.3351, 0.4093



96.7262, 0.3196, 0.3517



46.1939, 0.3696, 0.3630



20.5956, 0.3208, 0.3555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

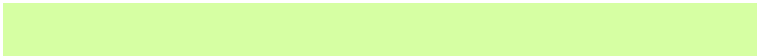


# Same Dimension

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



58.1474, 0.3351, 0.4093



88.4998, 0.3394, 0.4279



54.7988, 0.3116, 0.4154



13.5255, 0.3199, 0.3524



30.4708, 0.3449, 0.5643



1.7504, 0.3581, 0.5538



# Inverse Universe

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



34.6279, 0.2840, 0.2475



46.3210, 0.2763, 0.2282



38.6095, 0.3123, 0.2540



11.6710, 0.3050, 0.3055



4.3252, 0.1926, 0.0835



0.2885, 0.2135, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 58.1449, 0.3351, 0.4093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

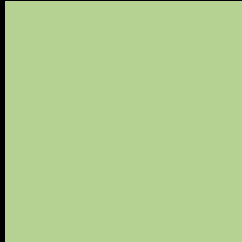
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1449, 0.3351, 0.4093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

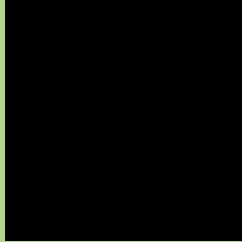
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.1449, 0.3351, 0.4093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1449, 0.3351, 0.4093.

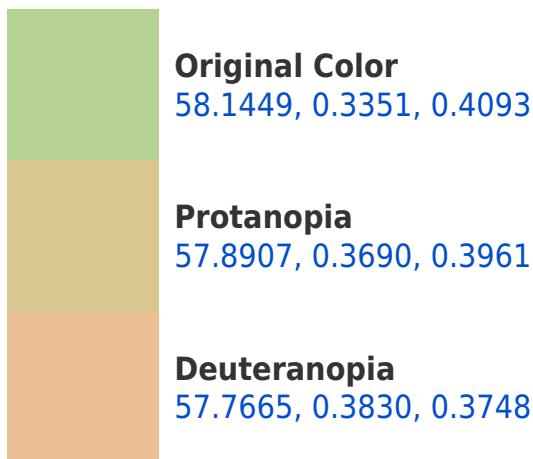


This preview shows how white text looks on a background with the Yxy color 58.1449, 0.3351, 0.4093.

# 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

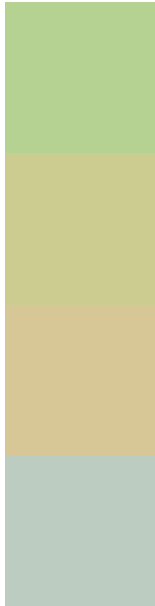




## Tritanopia

57.9895, 0.2948, 0.3100

# Trichromacy



## Original Color

58.1449, 0.3351, 0.4093

## Protanomaly

58.0367, 0.3568, 0.4018

## Deuteranomaly

57.6478, 0.3640, 0.3869

## Tritanomaly

57.6829, 0.3090, 0.3438

# Monochromacy



## Original Color

58.1449, 0.3351, 0.4093

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

55.4300, 0.3216, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1449, 0.3351, 0.4093 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(182, 210, 147)` looks like.

```
.text, #text, p{  
    color:rgb(182, 210, 147)  
}
```

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(182, 210, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 210, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1449, 0.3351, 0.4093 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(182, 210, 147) }
```

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

```
.border{ border-color:rgb(182, 210, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 210, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 210, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 210, 147);  
box-shadow:4px 4px 4px 4px rgb(182, 210,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1449, 0.3351, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 210, 147) }
```

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

```
.background{ background-color: rgb(182,  
210, 147) }
```

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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