

# Converting Colors

$Yxy(54.8420, 0.3382, 0.4095)$

Have a look what the booklet for  
Yxy(54.8420, 0.3382, 0.4095)  
contains.

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# Color

**Yxy(54.8420, 0.3382, 0.4095)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4CC8E
RGB	180, 204, 142
RGB Percent	71%, 80%, 56%
CMY	0.2942, 0.2000, 0.4431
CMYK	0.12, 0.00, 0.30, 0.20
HSL	83°, 38%, 68%
HSV	83°, 30%, 80%
XYZ	45.2932, 54.8420, 33.7891
YIQ	189.7560, 5.5980, -24.3700

# Conversions

## Conversions Part 2

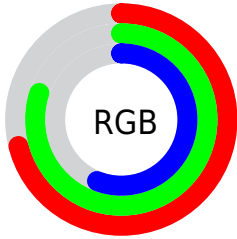
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 204, 166
Decimal	11848846
CIELab	78.95, -18.73, 28.30
CIELCh	79, 33.936, 123.490
Yxy	54.8420, 0.3382, 0.4095
Android (android.graphics.Color)	4290038926 (0xFFB4CC8E)
YUV	189.7560, -23.5437, -8.5560
Hunter-Lab	74.0554, -20.4241, 24.7866

# Details

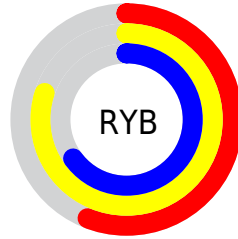
The Yxy color **54.8420, 0.3382, 0.4095** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.8175, 0.2804, 0.2457**, and the grayscale version is **51.4792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3384, 0.3351, 0.3895**, and **27.0036, 0.3430, 0.4329** is the 20% darker color. If you saturate the color by 10%, you get **53.3646, 0.3456, 0.4380**, and if you desaturate by 10%, it is **56.4906, 0.3300, 0.3816**.

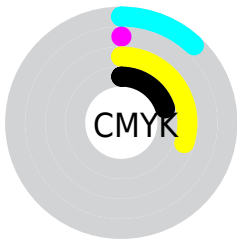
# Distribution



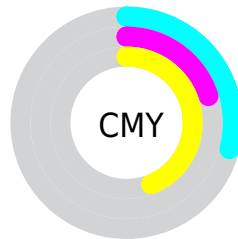
- Red (71%)
- Green (80%)
- Blue (56%)



- Red (56%)
- Yellow (80%)
- Blue (65%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)




- Cyan (29%)
- Magenta (20%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8420, 0.3382, 0.4095 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 54.8420, 0.3382, 0.4095 by changing the saturation by 10% instead.




 54.8420, 0.3382,  
0.4095


 54.8420, 0.3382,  
0.4095


405.3127, 0.3267,  
0.3691


 39.2752, 0.3406,  
0.4195


 97.3094, 0.3343,  
0.3949

 26.9739, 0.3435,  
0.4323


 124.9789, 0.3328,  
0.3894

 17.5536, 0.3468,  
0.4491


 157.4513, 0.3315,  
0.3847

 10.6300, 0.3505,  
0.4722

195.1112, 0.3303,  
0.3807

 5.8186, 0.3540,  
0.5053

238.3429, 0.3292,  
0.3772

 2.7351, 0.3647,  
0.5714

287.5308, 0.3283,

 0.9951, 0.3275,

0.3742

0.6725

343.0593, 0.3275,  
0.3715

0.0000, 0.0000,  
0.0000

54.8420, 0.3382,  
0.4095

54.8420, 0.3382,  
0.4095

53.3646, 0.3456,  
0.4380

56.4906, 0.3300,  
0.3816

52.0440, 0.3519,  
0.4660

58.3095, 0.3216,  
0.3549

50.8751, 0.3564,  
0.4924


60.3075, 0.3130,  
0.3299


49.8495, 0.3589,  
0.5157


62.4902, 0.3048,  
0.3070


48.9576, 0.3590,  
0.5348

64.8632, 0.2968,  
0.2861


 48.1883, 0.3567,  
0.5489

 66.8108, 0.2953,  
0.2761

 47.5460, 0.3527,  
0.5582

 68.1296, 0.3009,  
0.2769

 69.5083, 0.3065,  
0.2778

 70.9476, 0.3123,  
0.2787

# Harmonies

## Analogous

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



54.8420, 0.3776, 0.4033



54.8420, 0.3382, 0.4095



54.8420, 0.2937, 0.3894

# Triad

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



54.8420, 0.3382, 0.4095



54.8420, 0.2317, 0.2730



54.8420, 0.3707, 0.3073

# Complementary

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



54.8420, 0.3382, 0.4095



31.8175, 0.2804, 0.2457

# 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.



54.8420, 0.3274, 0.2779



54.8420, 0.3382, 0.4095



54.8420, 0.2488, 0.2578

# Square

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



54.8420, 0.3382, 0.4095



54.8420, 0.2342, 0.3055



54.8420, 0.2828, 0.2602



54.8420, 0.3981, 0.3427



# Rectangle

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



54.8420, 0.3382, 0.4095



54.8420, 0.2672, 0.3639



54.8420, 0.2828, 0.2602



54.8420, 0.3574, 0.2965

# Sweetspot

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



54.8444, 0.3382, 0.4095



96.9607, 0.3205, 0.3516



41.9815, 0.3715, 0.3595



20.6534, 0.3217, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

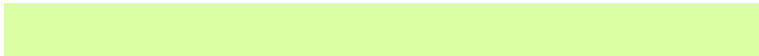


# Same Dimension

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



54.8444, 0.3382, 0.4095



89.2962, 0.3428, 0.4268



51.5559, 0.3139, 0.4159



12.8712, 0.3207, 0.3523



29.9774, 0.3536, 0.5575



1.5895, 0.3664, 0.5473



# Inverse Universe

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



31.8175, 0.2804, 0.2457



45.5980, 0.2723, 0.2271



35.5466, 0.3093, 0.2525



11.0525, 0.3042, 0.3055



3.8424, 0.1833, 0.0783



0.2417, 0.2059, 0.0908



# Previews

## White Background



This preview shows how the Yxy color 54.8420, 0.3382, 0.4095 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 54.8420, 0.3382, 0.4095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

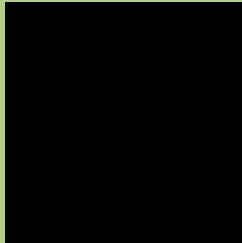
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.8420, 0.3382, 0.4095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8420, 0.3382, 0.4095.



This preview shows how white text looks on a background with the Yxy color 54.8420, 0.3382, 0.4095.

# 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

54.8420, 0.3382, 0.4095

### Protanopia

54.5668, 0.3695, 0.3979

### Deuteranopia

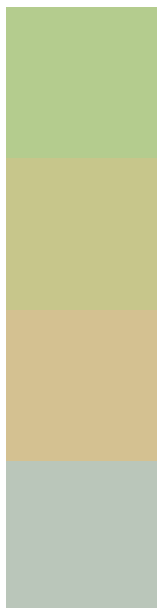
54.4390, 0.3839, 0.3760



## Tritanopia

54.6805, 0.2973, 0.3096

# Trichromacy



## Original Color

54.8420, 0.3382, 0.4095

## Protanomaly

54.3944, 0.3581, 0.4024

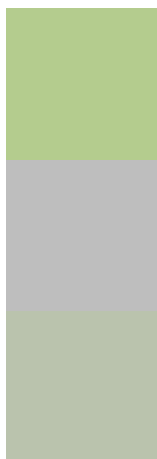
## Deuteranomaly

54.1813, 0.3665, 0.3869

## Tritanomaly

54.3724, 0.3120, 0.3441

# Monochromacy



## Original Color

54.8420, 0.3382, 0.4095

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.4864, 0.3219, 0.3571

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8420, 0.3382, 0.4095 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(180, 204, 142)` looks like.

```
.text, #text, p{  
    color:rgb(180, 204, 142)  
}
```

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(180, 204, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 204, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8420, 0.3382, 0.4095 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(180, 204, 142) }
```

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

```
.border{ border-color:rgb(180, 204, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 204, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 204, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 204, 142);  
box-shadow:4px 4px 4px 4px rgb(180, 204,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8420, 0.3382, 0.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 204, 142) }
```

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

```
.background{ background-color: rgb(180,  
204, 142) }
```

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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