

# Converting Colors

$Yxy(56.8804, 0.3274, 0.3951)$

Have a look what the booklet for  
Yxy(56.8804, 0.3274, 0.3951)  
contains.

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# Color

**Yxy(56.7292, 0.3278, 0.3945)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4CF9C
RGB	180, 207, 156
RGB Percent	71%, 81%, 61%
CMY	0.2941, 0.1882, 0.3881
CMYK	0.13, 0.00, 0.25, 0.19
HSL	92°, 35%, 71%
HSV	92°, 25%, 81%
XYZ	47.1377, 56.7292, 39.9333
YIQ	193.1130, 0.2790, -21.5850

# Conversions

## Conversions Part 2

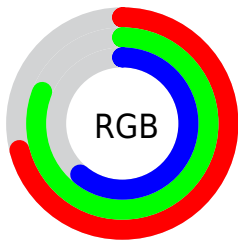
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 207, 183
Decimal	11849628
CIELab	80.03, -18.14, 22.40
CIELCh	80, 28.824, 128.991
Yxy	56.7292, 0.3278, 0.3945
Android (android.graphics.Color)	4290039708 (0xFFB4CF9C)
YUV	193.1130, -18.2967, -11.5001
Hunter-Lab	75.3188, -20.0949, 21.2881

# Details

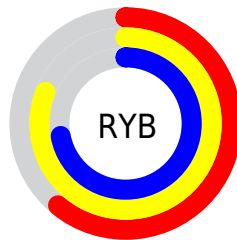
The Yxy color **56.7292, 0.3278, 0.3945** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3668, 0.2939, 0.2641**, and the grayscale version is **53.5102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0560, 0.3263, 0.3738**, and **28.2940, 0.3315, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **54.8241, 0.3333, 0.4241**, and if you desaturate by 10%, it is **58.8629, 0.3218, 0.3664**.

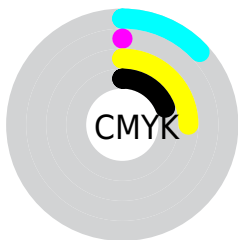
# Distribution



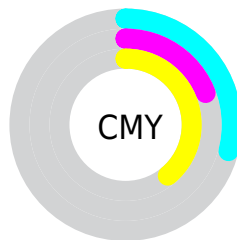
- Red (71%)
- Green (81%)
- Blue (61%)



- Red (61%)
- Yellow (81%)
- Blue (72%)



- Cyan (13%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)




- Cyan (29%)
- Magenta (19%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7292, 0.3278, 0.3945 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 56.7292, 0.3278, 0.3945 by changing the saturation by 10% instead.





 56.7292, 0.3278,  
0.3945

 56.7292, 0.3278,  
0.3945


412.4338, 0.3211,  
0.3618

 40.7879, 0.3292,  
0.4026


 100.0699, 0.3256,  
0.3827

 28.1534, 0.3308,  
0.4129


 128.2381, 0.3247,  
0.3782

 18.4413, 0.3328,  
0.4266


161.2508, 0.3239,  
0.3744

 11.2673, 0.3349,  
0.4454

199.4922, 0.3232,  
0.3712

 6.2469, 0.3370,  
0.4727

243.3468, 0.3226,  
0.3684

 2.9958, 0.3379,  
0.5160

293.1990, 0.3220,

 1.1295, 0.3515,

0.3659

0.6485

349.4332, 0.3215,  
0.3638

0.0030, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.7292, 0.3278,  
0.3945

56.7292, 0.3278,  
0.3945

54.8241, 0.3333,  
0.4241

58.8629, 0.3218,  
0.3664

53.1318, 0.3378,  
0.4544

61.2258, 0.3156,  
0.3403

51.6457, 0.3411,  
0.4842

63.8279, 0.3094,  
0.3165

50.3559, 0.3427,  
0.5121

66.6763, 0.3034,  
0.2950

■ 49.2516, 0.3422,  
0.5363

■ 69.4821, 0.3005,  
0.2800

■ 48.3204, 0.3396,  
0.5555

■ 71.4054, 0.3083,  
0.2812

■ 47.5481, 0.3350,  
0.5690

■ 73.1071, 0.3149,  
0.2821

■ 47.1860, 0.3321,  
0.5745

# Harmonies

## Analogous

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



56.7292, 0.3624, 0.3940



56.7292, 0.3278, 0.3945



56.7292, 0.2905, 0.3739

# Triad

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



56.7292, 0.3278, 0.3945



56.7292, 0.2453, 0.2784



56.7292, 0.3669, 0.3162

# Complementary

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



56.7292, 0.3278, 0.3945



38.3668, 0.2939, 0.2641

# 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.



56.7292, 0.3324, 0.2895



56.7292, 0.3278, 0.3945



56.7292, 0.2629, 0.2678

# Square

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



56.7292, 0.3278, 0.3945



56.7292, 0.2444, 0.3038



56.7292, 0.2942, 0.2722



56.7292, 0.3863, 0.3470



# Rectangle

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



56.7292, 0.3278, 0.3945



56.7292, 0.2691, 0.3516



56.7292, 0.2942, 0.2722



56.7292, 0.3566, 0.3066

# Sweetspot

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



56.7317, 0.3278, 0.3945



97.1533, 0.3171, 0.3465



49.2747, 0.3563, 0.3617



20.7442, 0.3175, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

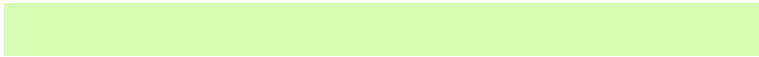


# Same Dimension

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



56.7317, 0.3278, 0.3945



89.1207, 0.3310, 0.4114



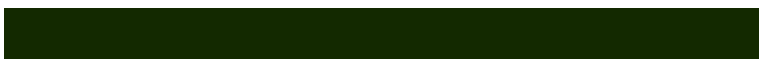
54.1291, 0.3089, 0.3971



13.4748, 0.3186, 0.3525



29.7837, 0.3331, 0.5737



1.7124, 0.3475, 0.5623



# Inverse Universe

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



38.3668, 0.2939, 0.2641



54.3257, 0.2885, 0.2476



41.5188, 0.3163, 0.2692



11.7216, 0.3064, 0.3056



4.9710, 0.2089, 0.0925



0.3250, 0.2284, 0.1032



# Previews

## White Background



This preview shows how the Yxy color 56.7292, 0.3278, 0.3945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

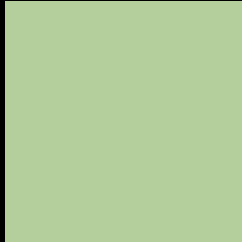
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7292, 0.3278, 0.3945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

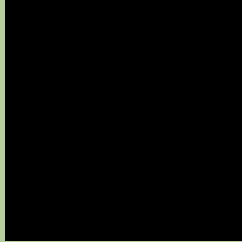
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7292, 0.3278, 0.3945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7292, 0.3278, 0.3945.



This preview shows how white text looks on a background with the Yxy color 56.7292, 0.3278, 0.3945.

# 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

56.7292, 0.3278, 0.3945

### Protanopia

56.6522, 0.3594, 0.3841

### Deuteranopia

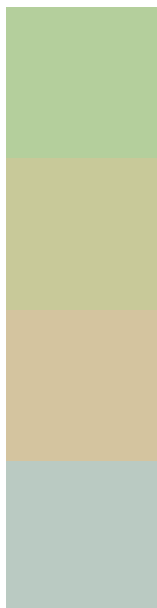
56.1880, 0.3711, 0.3633



## Tritanopia

56.5720, 0.2939, 0.3098

# Trichromacy



## Original Color

56.7292, 0.3278, 0.3945

## Protanomaly

56.3526, 0.3476, 0.3882

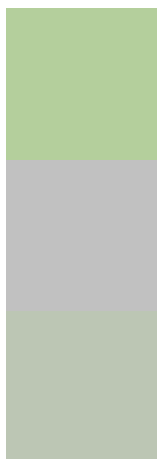
## Deuteranomaly

55.9801, 0.3545, 0.3734

## Tritanomaly

56.5752, 0.3061, 0.3389

# Monochromacy



## Original Color

56.7292, 0.3278, 0.3945

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.3748, 0.3180, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7292, 0.3278, 0.3945 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, 207, 156)` looks like.

```
.text, #text, p{  
    color:rgb(180, 207, 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(180, 207, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 207, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7292, 0.3278, 0.3945 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, 207, 156) }
```

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

```
.border{ border-color:rgb(180, 207, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 207, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 207, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 207, 156);  
box-shadow:4px 4px 4px 4px rgb(180, 207,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7292, 0.3278, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 207, 156) }
```

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

```
.background{ background-color: rgb(180,  
207, 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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