

# Converting Colors

Yxy(56.7958, 0.3417, 0.3665)

Have a look what the booklet for  
Yxy(56.7958, 0.3417, 0.3665)  
contains.

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# Color

**Yxy(56.7958, 0.3417, 0.3665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEC7A8
RGB	206, 199, 168
RGB Percent	81%, 78%, 66%
CMY	0.1920, 0.2196, 0.3412
CMYK	0.00, 0.03, 0.18, 0.19
HSL	49°, 28%, 73%
HSV	49°, 18%, 81%
XYZ	52.9526, 56.7958, 45.2197
YIQ	197.5590, 14.1230, -8.1570

# Conversions

## Conversions Part 2

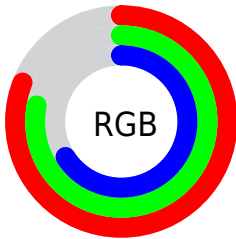
Format	Color
R <sub>Y</sub> B	177, 206, 168
Decimal	13551528
CIE Lab	80.06, -2.65, 16.41
CIE LCh	80, 16.624, 99.175
Yxy	56.7958, 0.3417, 0.3665
Android (android.graphics.Color)	4291741608 (0xFFCEC7A8)
YUV	197.5590, -14.5726, 7.4028
Hunter-Lab	75.3630, -6.4651, 17.1786

# Details

The Yxy color **56.7958, 0.3417, 0.3665** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.4624, 0.2830, 0.2885**, and the grayscale version is **56.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **28.0911, 0.3486, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **54.3564, 0.3587, 0.3875**, and if you desaturate by 10%, it is **59.4060, 0.3255, 0.3459**.

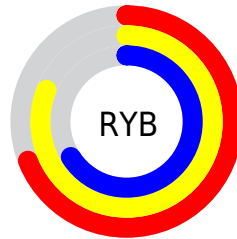
# Distribution



Red (81%)

Green (78%)

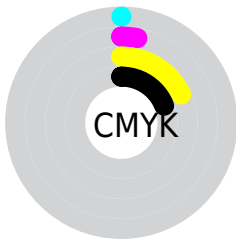
Blue (66%)



Red (69%)

Yellow (81%)

Blue (66%)

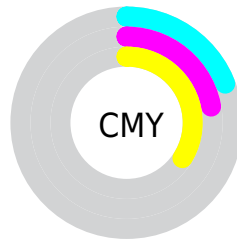


Cyan (0%)

Magenta (3%)

Yellow (18%)

Black (19%)



Cyan (19%)

Magenta (22%)


Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7958, 0.3417, 0.3665 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 56.7958, 0.3417, 0.3665 by changing the saturation by 10% instead.




 56.7958, 0.3417,  
0.3665


 56.7958, 0.3417,  
0.3665

412.6837, 0.3278,  
0.3483

 40.8413, 0.3450,  
0.3709

 100.1672, 0.3368,  
0.3600

 28.1951, 0.3492,  
0.3764


 128.3529, 0.3349,  
0.3575

 18.4728, 0.3545,  
0.3836


161.3844, 0.3333,  
0.3554

 11.2900, 0.3616,  
0.3933

199.6462, 0.3319,  
0.3536

 6.2622, 0.3716,  
0.4071

243.5226, 0.3306,  
0.3520

 3.0052, 0.3863,  
0.4279

293.3981, 0.3296,

 1.1344, 0.4554,

0.3506

0.5147

349.6570, 0.3286,  
0.3494

0.0072, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.7958, 0.3417,  
0.3665

56.7958, 0.3417,  
0.3665

54.3564, 0.3587,  
0.3875

59.4060, 0.3255,  
0.3459

52.0741, 0.3761,  
0.4081

62.1850, 0.3105,  
0.3260

49.9450, 0.3935,  
0.4276

65.1407, 0.2966,  
0.3073

47.9619, 0.4101,  
0.4448

68.2782, 0.2839,  
0.2898

■ 46.1172, 0.4251,  
0.4589

■ 70.5267, 0.2815,  
0.2894

■ 44.4019, 0.4380,  
0.4690

■ 72.5294, 0.2817,  
0.2936

■ 42.8058, 0.4481,  
0.4744

■ 74.5779, 0.2820,  
0.2977

■ 41.3130, 0.4555,  
0.4756

■ 76.6725, 0.2822,  
0.3019

■ 41.0885, 0.4566,  
0.4756

■ 78.8136, 0.2825,  
0.3060

# Harmonies

## Analogous

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



56.7958, 0.3539, 0.3569



56.7958, 0.3417, 0.3665



56.7958, 0.3219, 0.3658

# Triad

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



56.7958, 0.3417, 0.3665



56.7958, 0.2724, 0.3151



56.7958, 0.3245, 0.3057

# Complementary

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



56.7958, 0.3417, 0.3665



43.4624, 0.2830, 0.2885

# 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.



56.7958, 0.3024, 0.2952



56.7958, 0.3417, 0.3665



56.7958, 0.2729, 0.2998

# Square

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



56.7958, 0.3417, 0.3665



56.7958, 0.2821, 0.3351



56.7958, 0.2837, 0.2929



56.7958, 0.3439, 0.3220



# Rectangle

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



56.7958, 0.3417, 0.3665



56.7958, 0.3072, 0.3591



56.7958, 0.2837, 0.2929



56.7958, 0.3171, 0.3014

# Sweetspot

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



56.7983, 0.3417, 0.3665



97.2590, 0.3218, 0.3410



44.2537, 0.3414, 0.3197



20.7549, 0.3229, 0.3424



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.



56.7983, 0.3417, 0.3665



90.4486, 0.3481, 0.3745



58.5400, 0.3311, 0.3759



12.7297, 0.3270, 0.3478



25.4234, 0.4560, 0.4762



1.4055, 0.4476, 0.4828



# Inverse Universe

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



43.4624, 0.2830, 0.2885



65.0913, 0.2762, 0.2790



42.0987, 0.2919, 0.2803



11.1745, 0.2982, 0.3095



3.7081, 0.1551, 0.0783



0.2953, 0.1647, 0.1129



# Previews

## White Background



This preview shows how the Yxy color 56.7958, 0.3417, 0.3665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

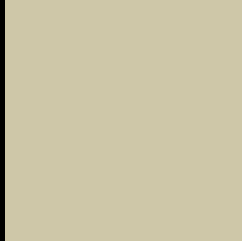
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7958, 0.3417, 0.3665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

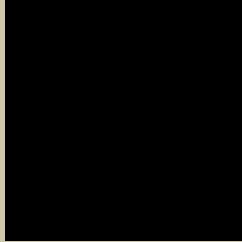
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

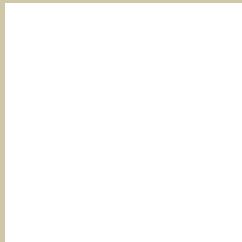
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7958, 0.3417, 0.3665**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7958, 0.3417, 0.3665.



This preview shows how white text looks on a background with the Yxy color 56.7958, 0.3417, 0.3665.

# 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

56.7958, 0.3417, 0.3665

### Protanopia

56.7706, 0.3444, 0.3651

### Deuteranopia

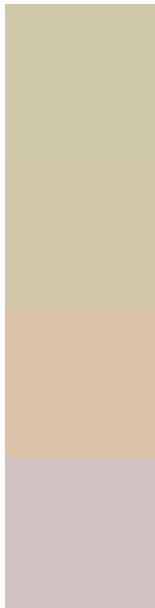
56.6579, 0.3607, 0.3531



## Tritanopia

56.5429, 0.3159, 0.3117

# Trichromacy



## Original Color

56.7958, 0.3417, 0.3665

## Protanomaly

56.6252, 0.3436, 0.3652

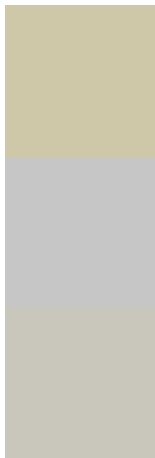
## Deuteranomaly

56.6638, 0.3539, 0.3583

## Tritanomaly

56.4358, 0.3255, 0.3314

# Monochromacy



## Original Color

56.7958, 0.3417, 0.3665

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.3935, 0.3232, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7958, 0.3417, 0.3665 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(206, 199, 168)` looks like.

```
.text, #text, p{  
    color:rgb(206, 199, 168)  
}
```

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(206, 199, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 199, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7958, 0.3417, 0.3665 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(206, 199, 168) }
```

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

```
.border{ border-color:rgb(206, 199, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 199, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 199, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 199, 168);  
box-shadow:4px 4px 4px 4px rgb(206, 199,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7958, 0.3417, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 199, 168) }
```

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

```
.background{ background-color: rgb(206,  
199, 168) }
```

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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