

# Converting Colors

$Yxy(57.6044, 0.3670, 0.4131)$

Have a look what the booklet for  
Yxy(57.6044, 0.3670, 0.4131)  
contains.

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# Color

**Yxy(57.5271, 0.3668, 0.4133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CECB85
RGB	206, 203, 133
RGB Percent	81%, 80%, 52%
CMY	0.1919, 0.2040, 0.4784
CMYK	0.00, 0.01, 0.35, 0.19
HSL	57°, 43%, 66%
HSV	57°, 35%, 81%
XYZ	51.0548, 57.5271, 30.6078
YIQ	195.9170, 24.2580, -21.1340

# Conversions

## Conversions Part 2

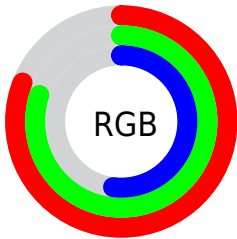
Format	Color
R <sub>Y</sub> B	136, 206, 133
Decimal	13552517
CIE Lab	80.48, -9.40, 35.32
CIE LCh	80, 36.550, 104.895
Yxy	57.5271, 0.3668, 0.4133
Android (android.graphics.Color)	4291742597 (0xFFCECB85)
YUV	195.9170, -31.0181, 8.8428
Hunter-Lab	75.8466, -12.5775, 29.1662

# Details

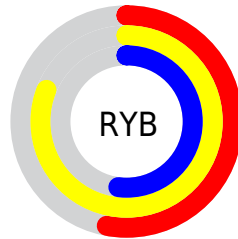
The Yxy color **57.5271, 0.3668, 0.4133** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.0772, 0.2495, 0.2279**, and the grayscale version is **55.3342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **28.6834, 0.3798, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **56.6076, 0.3815, 0.4357**, and if you desaturate by 10%, it is **58.5658, 0.3514, 0.3896**.

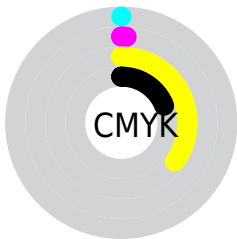
# Distribution



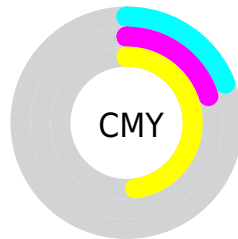
- Red (81%)
- Green (80%)
- Blue (52%)



- Red (53%)
- Yellow (81%)
- Blue (52%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (19%)




- Cyan (19%)
- Magenta (20%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5271, 0.3668, 0.4133 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 57.5271, 0.3668, 0.4133 by changing the saturation by 10% instead.




 57.5271, 0.3668,  
0.4133


 57.5271, 0.3668,  
0.4133


415.4215, 0.3417,  
0.3724


 41.4286, 0.3724,  
0.4230


 101.2339, 0.3582,  
0.3988

 28.6541, 0.3791,  
0.4350


 129.6109, 0.3548,  
0.3932

 18.8193, 0.3873,  
0.4503


 162.8496, 0.3518,  
0.3885

 11.5398, 0.3972,  
0.4703

201.3344, 0.3493,  
0.3844

 6.4311, 0.4087,  
0.4967

245.4495, 0.3470,  
0.3808

 3.1090, 0.4414,  
0.5586

295.5795, 0.3450,

 1.1889, 0.4235,

0.3777

0.5765

352.1087, 0.3433,  
0.3749

0.0526, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.5271, 0.3668,  
0.4133

57.5271, 0.3668,  
0.4133

56.6076, 0.3815,  
0.4357

58.5658, 0.3514,  
0.3896

55.7930, 0.3948,  
0.4557


59.7219, 0.3359,  
0.3655

55.0786, 0.4063,  
0.4725

61.0036, 0.3207,  
0.3416

54.4561, 0.4154,  
0.4854

62.4162, 0.3062,  
0.3187

 53.9162, 0.4218,  
0.4939

 63.9646, 0.2925,  
0.2970


 53.4473, 0.4256,  
0.4981

 65.5470, 0.2808,  
0.2784

 53.2472, 0.4269,  
0.4993

 65.9702, 0.2809,  
0.2794

 66.3957, 0.2809,  
0.2803

 66.8236, 0.2810,  
0.2813

# Harmonies

## Analogous

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



57.5271, 0.3990, 0.3922



57.5271, 0.3668, 0.4133



57.5271, 0.3215, 0.4099

# Triad

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



57.5271, 0.3668, 0.4133



57.5271, 0.2264, 0.2889



57.5271, 0.3467, 0.2857

# Complementary

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



57.5271, 0.3668, 0.4133



27.0772, 0.2495, 0.2279

# 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.



57.5271, 0.2981, 0.2618



57.5271, 0.3668, 0.4133



57.5271, 0.2318, 0.2614

# Square

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



57.5271, 0.3668, 0.4133



57.5271, 0.2418, 0.3320



57.5271, 0.2569, 0.2527



57.5271, 0.3880, 0.3197



# Rectangle

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



57.5271, 0.3668, 0.4133



57.5271, 0.2903, 0.3917



57.5271, 0.2569, 0.2527



57.5271, 0.3305, 0.2764

# Sweetspot

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



57.5297, 0.3668, 0.4133



97.5747, 0.3293, 0.3551



31.7051, 0.3925, 0.3245



20.8249, 0.3314, 0.3584



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.



57.5297, 0.3668, 0.4133



91.9348, 0.3787, 0.4315



54.7675, 0.3384, 0.4251



13.0128, 0.3267, 0.3510



32.8059, 0.4268, 0.4994



1.7180, 0.4252, 0.5006



# Inverse Universe

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



27.0772, 0.2495, 0.2279



35.0686, 0.2325, 0.2004



29.3321, 0.2779, 0.2313



10.9182, 0.2982, 0.3061



2.8950, 0.1508, 0.0630



0.1764, 0.1536, 0.0730



# Previews

## White Background



This preview shows how the Yxy color 57.5271, 0.3668, 0.4133 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 57.5271, 0.3668, 0.4133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

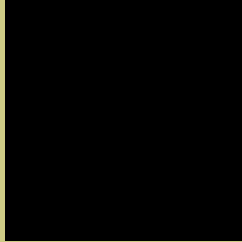
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5271, 0.3668, 0.4133**

## Background



This preview shows how black text looks on a background with the Yxy color 57.5271, 0.3668, 0.4133.



This preview shows how white text looks on a background with the Yxy color 57.5271, 0.3668, 0.4133.

# 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

57.5271, 0.3668, 0.4133

### Protanopia

57.7262, 0.3781, 0.4085

### Deuteranopia

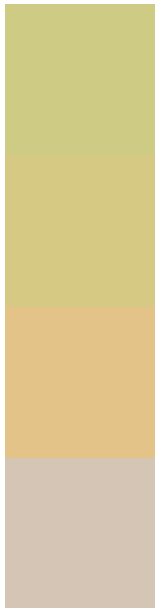
57.3899, 0.3982, 0.3895



## Tritanopia

57.6341, 0.3183, 0.3119

# Trichromacy



## Original Color

57.5271, 0.3668, 0.4133

## Protanomaly

57.5854, 0.3743, 0.4106

## Deuteranomaly

57.1104, 0.3867, 0.3974

## Tritanomaly

57.2657, 0.3370, 0.3480

# Monochromacy



## Original Color

57.5271, 0.3668, 0.4133

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

56.1433, 0.3329, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5271, 0.3668, 0.4133 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, 203, 133)` looks like.

```
.text, #text, p{  
    color:rgb(206, 203, 133)  
}
```

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, 203, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 203, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5271, 0.3668, 0.4133 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, 203, 133) }
```

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

```
.border{ border-color:rgb(206, 203, 133) }
```

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

Here you see how a box with a 4 pixel rgb(206, 203, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 203, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 203, 133);  
box-shadow:4px 4px 4px 4px rgb(206, 203,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5271, 0.3668, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 203, 133) }
```

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

```
.background{ background-color: rgb(206,  
203, 133) }
```

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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