

# Converting Colors

Yxy(58.2183, 0.3537, 0.3997)

Have a look what the booklet for  
Yxy(58.2183, 0.3537, 0.3997)  
contains.

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# Color

**Yxy(58.4345, 0.3542, 0.4007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBCD92
RGB	203, 205, 146
RGB Percent	80%, 80%, 57%
CMY	0.2038, 0.1961, 0.4275
CMYK	0.01, 0.00, 0.29, 0.20
HSL	62°, 37%, 69%
HSV	62°, 29%, 80%
XYZ	51.6534, 58.4345, 35.7432
YIQ	197.6760, 17.7470, -18.7730

# Conversions

## Conversions Part 2

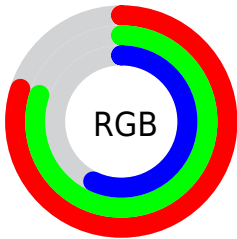
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 205, 148
Decimal	13356434
CIELab	80.98, -9.99, 29.24
CIELCh	81, 30.899, 108.860
Yxy	58.4345, 0.3542, 0.4007
Android (android.graphics.Color)	4291546514 (0xFFCBCD92)
YUV	197.6760, -25.4763, 4.6691
Hunter-Lab	76.4425, -13.1591, 25.7867

# Details

The Yxy color **58.4345, 0.3542, 0.4007** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.2516, 0.2642, 0.2465**, and the grayscale version is **56.4175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **29.2553, 0.3634, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **57.7597, 0.3682, 0.4252**, and if you desaturate by 10%, it is **59.2294, 0.3397, 0.3755**.

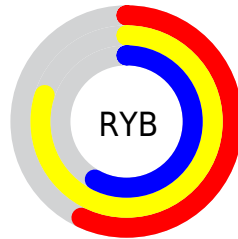
# Distribution



Red (80%)

Green (80%)

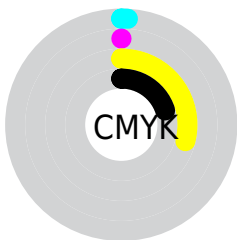
Blue (57%)



Red (57%)

Yellow (80%)

Blue (58%)

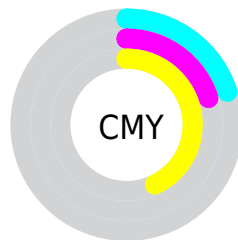


Cyan (1%)

Magenta (0%)

Yellow (29%)

Black (20%)



Cyan (20%)

Magenta (20%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4345, 0.3542, 0.4007 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 58.4345, 0.3542, 0.4007 by changing the saturation by 10% instead.





 58.4345, 0.3542,  
0.4007


 58.4345, 0.3542,  
0.4007


418.8030, 0.3349,  
0.3657

 42.1581, 0.3586,  
0.4091


 102.5553, 0.3475,  
0.3882

 29.2251, 0.3639,  
0.4196


 131.1685, 0.3449,  
0.3835

 19.2512, 0.3704,  
0.4331


164.6627, 0.3427,  
0.3794

 11.8519, 0.3786,  
0.4512

203.4223, 0.3407,  
0.3759

 6.6429, 0.3887,  
0.4760

247.8318, 0.3390,  
0.3729

 3.2398, 0.4051,  
0.5175

298.2755, 0.3374,

 1.2582, 0.4206,

0.3702

0.5794

355.1377, 0.3361,  
0.3679

0.1085, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.4345, 0.3542,  
0.4007

58.4345, 0.3542,  
0.4007

57.7597, 0.3682,  
0.4252

59.2294, 0.3397,  
0.3755

57.1909, 0.3810,  
0.4479

60.1421, 0.3252,  
0.3504


56.7242, 0.3922,  
0.4681


61.1806, 0.3110,  
0.3261

56.3520, 0.4013,  
0.4847

62.3498, 0.2975,  
0.3030


 56.0660, 0.4078,  
0.4971


 63.6545, 0.2849,  
0.2814

 55.8562, 0.4117,  
0.5052


 64.1654, 0.2813,  
0.2750

 55.7067, 0.4134,  
0.5094

 64.2641, 0.2818,  
0.2750

 55.6899, 0.4135,  
0.5099

 64.3632, 0.2823,  
0.2751

 64.4627, 0.2827,  
0.2752

# Harmonies

## Analogous

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



58.4345, 0.3830, 0.3862



58.4345, 0.3542, 0.4007



58.4345, 0.3153, 0.3939

# Triad

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



58.4345, 0.3542, 0.4007



58.4345, 0.2387, 0.2917



58.4345, 0.3467, 0.2957

# Complementary

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



58.4345, 0.3542, 0.4007



31.2516, 0.2642, 0.2465

# 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.



58.4345, 0.3060, 0.2736



58.4345, 0.3542, 0.4007



58.4345, 0.2457, 0.2699

# Square

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



58.4345, 0.3542, 0.4007



58.4345, 0.2498, 0.3267



58.4345, 0.2695, 0.2641



58.4345, 0.3793, 0.3258



# Rectangle

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



58.4345, 0.3542, 0.4007



58.4345, 0.2892, 0.3770



58.4345, 0.2695, 0.2641



58.4345, 0.3334, 0.2872

# Sweetspot

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



58.4371, 0.3542, 0.4007



98.4643, 0.3257, 0.3512



35.9108, 0.3754, 0.3305



21.0257, 0.3278, 0.3549



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.



58.4371, 0.3542, 0.4007



94.9644, 0.3636, 0.4171



54.7932, 0.3308, 0.4065



13.0769, 0.3261, 0.3519



34.6787, 0.4136, 0.5098



1.7951, 0.4148, 0.5089



# Inverse Universe

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



31.2516, 0.2642, 0.2465



42.8061, 0.2509, 0.2240



34.2458, 0.2893, 0.2521



10.8615, 0.2987, 0.3051



2.7796, 0.1512, 0.0606

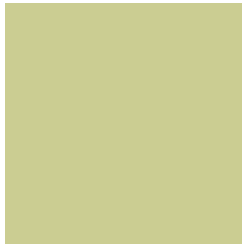


0.1498, 0.1551, 0.0628



# Previews

## White Background



This preview shows how the Yxy color 58.4345, 0.3542, 0.4007 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 58.4345, 0.3542, 0.4007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

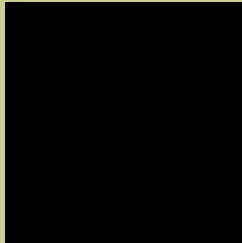
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4345, 0.3542, 0.4007**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4345, 0.3542, 0.4007.



This preview shows how white text looks on a background with the Yxy color 58.4345, 0.3542, 0.4007.

# 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

58.4345, 0.3542, 0.4007

### Protanopia

58.3858, 0.3679, 0.3960

### Deuteranopia

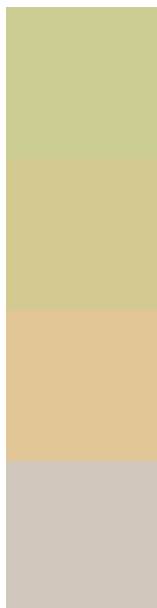
58.3144, 0.3851, 0.3779



## Tritanopia

58.0822, 0.3128, 0.3106

# Trichromacy



## Original Color

58.4345, 0.3542, 0.4007

## Protanomaly

58.1343, 0.3626, 0.3970

## Deuteranomaly

58.0782, 0.3740, 0.3854

## Tritanomaly

57.8876, 0.3280, 0.3421

# Monochromacy



## Original Color

58.4345, 0.3542, 0.4007

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.3073, 0.3281, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4345, 0.3542, 0.4007 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(203, 205, 146)` looks like.

```
.text, #text, p{  
    color:rgb(203, 205, 146)  
}
```

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(203, 205, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 205, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4345, 0.3542, 0.4007 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(203, 205, 146) }
```

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

```
.border{ border-color:rgb(203, 205, 146) }
```

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

Here you see how a box with a 4 pixel rgb(203, 205, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 205, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 205, 146);  
box-shadow:4px 4px 4px 4px rgb(203, 205,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4345, 0.3542, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 205, 146) }
```

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

```
.background{ background-color: rgb(203,  
205, 146) }
```

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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