

# Converting Colors

$Yxy(58.9340, 0.3524, 0.3936)$

Have a look what the booklet for  
Yxy(58.9340, 0.3524, 0.3936)  
contains.

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# Color

**Yxy(59.0188, 0.3530, 0.3941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CECD97
RGB	206, 205, 151
RGB Percent	81%, 80%, 59%
CMY	0.1923, 0.1960, 0.4079
CMYK	0.00, 0.00, 0.27, 0.19
HSL	59°, 36%, 70%
HSV	59°, 27%, 81%
XYZ	52.8638, 59.0188, 37.8733
YIQ	199.1430, 17.9300, -16.5820

# Conversions

## Conversions Part 2

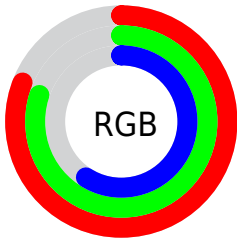
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 206, 151
Decimal	13553047
CIE <sub>Lab</sub>	81.30, -8.21, 27.11
CIE <sub>LCh</sub>	81, 28.324, 106.858
Yxy	59.0188, 0.3530, 0.3941
Android (android.graphics.Color)	4291743127 (0xFFCECD97)
YUV	199.1430, -23.7345, 6.0136
Hunter-Lab	76.8237, -11.6122, 24.5472

# Details

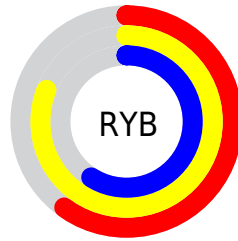
The Yxy color **59.0188, 0.3530, 0.3941** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.4681, 0.2669, 0.2544**, and the grayscale version is **57.3434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **29.6326, 0.3621, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **58.2380, 0.3680, 0.4181**, and if you desaturate by 10%, it is **59.9222, 0.3377, 0.3695**.

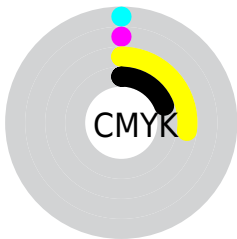
# Distribution



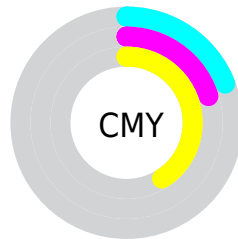
- Red (81%)
- Green (80%)
- Blue (59%)



- Red (60%)
- Yellow (81%)
- Blue (59%)



- Cyan (0%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)




- Cyan (19%)
- Magenta (20%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0188, 0.3530, 0.3941 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 59.0188, 0.3530, 0.3941 by changing the saturation by 10% instead.




 59.0188, 0.3530,  
0.3941


 59.0188, 0.3530,  
0.3941


420.9716, 0.3341,  
0.3625

 42.6283, 0.3573,  
0.4017


 103.4050, 0.3464,  
0.3829

 29.5935, 0.3626,  
0.4111


 132.1694, 0.3439,  
0.3786

 19.5303, 0.3692,  
0.4233


165.8273, 0.3417,  
0.3749

 12.0541, 0.3775,  
0.4396

204.7629, 0.3398,  
0.3717

 6.7805, 0.3882,  
0.4621

249.3608, 0.3381,  
0.3690

 3.3252, 0.4032,  
0.4964

300.0053, 0.3366,

 1.3038, 0.4334,

0.3665

0.5666

357.0807, 0.3353,  
0.3644

0.1441, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.0188, 0.3530,  
0.3941

59.0188, 0.3530,  
0.3941

58.2380, 0.3680,  
0.4181

59.9222, 0.3377,  
0.3695

57.5658, 0.3820,  
0.4406

60.9458, 0.3226,  
0.3450

56.9982, 0.3946,  
0.4606

62.0977, 0.3080,  
0.3213

56.5279, 0.4052,  
0.4771

63.3828, 0.2942,  
0.2989

■ 56.1465, 0.4133,  
0.4896

■ 64.8058, 0.2813,  
0.2779

■ 55.8444, 0.4187,  
0.4978

■ 65.0464, 0.2807,  
0.2773

■ 55.6090, 0.4217,  
0.5019

■ 65.2209, 0.2807,  
0.2777

■ 55.5383, 0.4224,  
0.5028

■ 65.3958, 0.2808,  
0.2781

■ 65.5711, 0.2808,  
0.2785

# Harmonies

## Analogous

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



59.0188, 0.3783, 0.3802



59.0188, 0.3530, 0.3941



59.0188, 0.3178, 0.3891

# Triad

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



59.0188, 0.3530, 0.3941



59.0188, 0.2449, 0.2969



59.0188, 0.3415, 0.2968

# Complementary

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



59.0188, 0.3530, 0.3941



33.4681, 0.2669, 0.2544

# 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.



59.0188, 0.3042, 0.2771



59.0188, 0.3530, 0.3941



59.0188, 0.2502, 0.2758

# Square

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



59.0188, 0.3530, 0.3941



59.0188, 0.2563, 0.3295



59.0188, 0.2713, 0.2693



59.0188, 0.3720, 0.3243



# Rectangle

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



59.0188, 0.3530, 0.3941



59.0188, 0.2937, 0.3745



59.0188, 0.2713, 0.2693



59.0188, 0.3292, 0.2891

# Sweetspot

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



59.0214, 0.3530, 0.3941



98.5282, 0.3247, 0.3484



37.5377, 0.3678, 0.3268



21.0331, 0.3270, 0.3521



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.



59.0214, 0.3530, 0.3941



94.9078, 0.3616, 0.4079



56.1042, 0.3318, 0.3999



13.0618, 0.3266, 0.3515



34.2242, 0.4224, 0.5028



1.7765, 0.4217, 0.5034



# Inverse Universe

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



33.4681, 0.2669, 0.2544



46.7411, 0.2554, 0.2356



35.8861, 0.2889, 0.2576



10.8748, 0.2982, 0.3055



2.8068, 0.1504, 0.0612

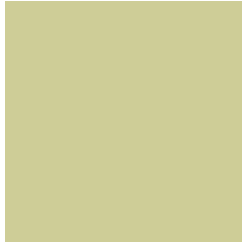


0.1560, 0.1515, 0.0655



# Previews

## White Background



This preview shows how the Yxy color 59.0188, 0.3530, 0.3941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

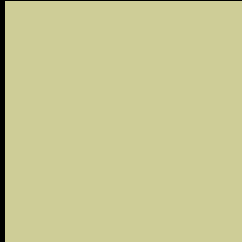
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.0188, 0.3530, 0.3941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

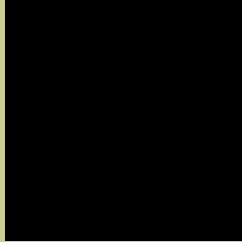
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

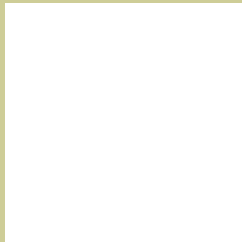
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.0188, 0.3530, 0.3941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0188, 0.3530, 0.3941.



This preview shows how white text looks on a background with the Yxy color 59.0188, 0.3530, 0.3941.

# 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

59.0188, 0.3530, 0.3941

### Protanopia

59.1627, 0.3647, 0.3911

### Deuteranopia

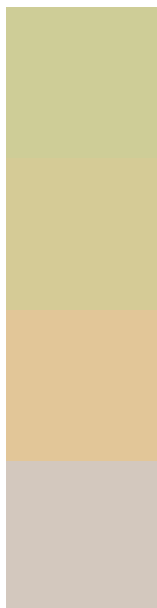
58.8880, 0.3815, 0.3746



## Tritanopia

58.9821, 0.3151, 0.3119

# Trichromacy



## Original Color

59.0188, 0.3530, 0.3941

## Protanomaly

59.0600, 0.3602, 0.3918

## Deuteranomaly

58.8239, 0.3714, 0.3817

## Tritanomaly

58.8751, 0.3288, 0.3408

# Monochromacy



## Original Color

59.0188, 0.3530, 0.3941

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.7072, 0.3274, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0188, 0.3530, 0.3941 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, 205, 151)` looks like.

```
.text, #text, p{  
    color:rgb(206, 205, 151)  
}
```

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, 205, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 205, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0188, 0.3530, 0.3941 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, 205, 151) }
```

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

```
.border{ border-color:rgb(206, 205, 151) }
```

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

Here you see how a box with a 4 pixel rgb(206, 205, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 205, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 205, 151);  
box-shadow:4px 4px 4px 4px rgb(206, 205,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0188, 0.3530, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 205, 151) }
```

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

```
.background{ background-color: rgb(206,  
205, 151) }
```

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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