

# Converting Colors

$Y_{xy}(58.6371, 0.3680, 0.4290)$

Have a look what the booklet for  
Yxy(58.6371, 0.3680, 0.4290)  
contains.

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# Color

**Yxy(58.6374, 0.3681, 0.4290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CACF7C
RGB	202, 207, 124
RGB Percent	79%, 81%, 49%
CMY	0.2077, 0.1882, 0.5137
CMYK	0.02, 0.00, 0.40, 0.19
HSL	64°, 46%, 65%
HSV	64°, 40%, 81%
XYZ	50.3133, 58.6374, 27.7332
YIQ	196.0430, 23.6630, -26.8730

# Conversions

## Conversions Part 2

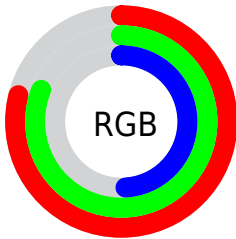
Format	Color
<b>RYB</b>	124, 207, 129
Decimal	13291388
CIELab	81.09, -14.03, 40.62
CIELCh	81, 42.977, 109.055
Yxy	58.6374, 0.3681, 0.4290
Android (android.graphics.Color)	4291481468 (0xFFCAC7C)
YUV	196.0430, -35.5172, 5.2243
Hunter-Lab	76.5751, -16.7236, 32.1295

# Details

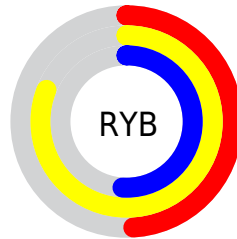
The Yxy color **58.6374, 0.3681, 0.4290** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.5837, 0.2430, 0.2083**, and the grayscale version is **55.4390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **29.4665, 0.3801, 0.4548** is the 20% darker color. If you saturate the color by 10%, you get **57.9979, 0.3803, 0.4519**, and if you desaturate by 10%, it is **59.3935, 0.3547, 0.4044**.

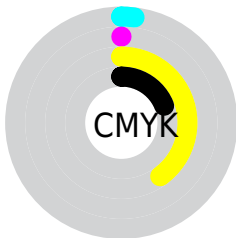
# Distribution



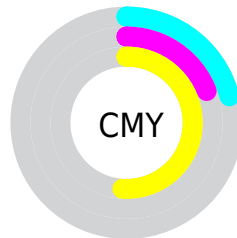
- Red (79%)
- Green (81%)
- Blue (49%)



- Red (49%)
- Yellow (81%)
- Blue (51%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (19%)




- Cyan (21%)
- Magenta (19%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6374, 0.3681, 0.4290 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 58.6374, 0.3681, 0.4290 by changing the saturation by 10% instead.




 58.6374, 0.3681,  
0.4290


 58.6374, 0.3681,  
0.4290


419.5569, 0.3430,  
0.3804

 42.3213, 0.3734,  
0.4404


 102.8505, 0.3597,  
0.4118

 29.3530, 0.3796,  
0.4546


 131.5162, 0.3563,  
0.4052

 19.3480, 0.3869,  
0.4726


 165.0674, 0.3534,  
0.3996

 11.9220, 0.3950,  
0.4956

203.8882, 0.3508,  
0.3947

 6.6906, 0.4030,  
0.5257

248.3632, 0.3485,  
0.3904

 3.2694, 0.4191,  
0.5809

298.8767, 0.3465,

 1.2739, 0.3929,

0.3867

0.6071

355.8131, 0.3446,  
0.3834

■ 0.1209, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6374, 0.3681,  
0.4290

■ 58.6374, 0.3681,  
0.4290

■ 57.9979, 0.3803,  
0.4519

■ 59.3935, 0.3547,  
0.4044

■ 57.4602, 0.3908,  
0.4721


■ 60.2646, 0.3407,  
0.3790


■ 57.0191, 0.3990,  
0.4887

■ 61.2592, 0.3266,  
0.3537

■ 56.6658, 0.4047,  
0.5012

■ 62.3827, 0.3128,  
0.3292

 56.3899, 0.4078,  
0.5092

 63.6404, 0.2996,  
0.3060

 56.1739, 0.4088,  
0.5136

 65.0370, 0.2872,  
0.2842

 65.6496, 0.2839,  
0.2776

 65.8330, 0.2847,  
0.2777

 66.0178, 0.2855,  
0.2778

# Harmonies

## Analogous

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



58.6374, 0.4090, 0.4061



58.6374, 0.3681, 0.4290



58.6374, 0.3144, 0.4215

# Triad

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



58.6374, 0.3681, 0.4290



58.6374, 0.2128, 0.2759



58.6374, 0.3598, 0.2838

# Complementary

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



58.6374, 0.3681, 0.4290



23.5837, 0.2430, 0.2083

# 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.



58.6374, 0.3030, 0.2548



58.6374, 0.3681, 0.4290



58.6374, 0.2221, 0.2479

# Square

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



58.6374, 0.3681, 0.4290



58.6374, 0.2267, 0.3241



58.6374, 0.2535, 0.2416



58.6374, 0.4058, 0.3234



# Rectangle

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



58.6374, 0.3681, 0.4290



58.6374, 0.2789, 0.3971



58.6374, 0.2535, 0.2416



58.6374, 0.3411, 0.2726

# Sweetspot

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



58.6401, 0.3681, 0.4290



97.8377, 0.3295, 0.3589



30.1968, 0.4112, 0.3346



20.8949, 0.3314, 0.3622



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.



58.6401, 0.3681, 0.4290



93.0989, 0.3785, 0.4486



53.6928, 0.3346, 0.4412



13.7601, 0.3257, 0.3520



35.4079, 0.4090, 0.5135



1.9910, 0.4110, 0.5119



# Inverse Universe

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



23.5837, 0.2430, 0.2083



29.4550, 0.2254, 0.1785



27.4260, 0.2800, 0.2196



11.4510, 0.2991, 0.3050



2.9034, 0.1520, 0.0611



0.1745, 0.1587, 0.0648



# Previews

## White Background



This preview shows how the Yxy color 58.6374, 0.3681, 0.4290 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 58.6374, 0.3681, 0.4290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

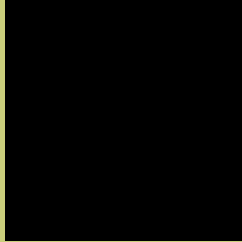
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.6374, 0.3681, 0.4290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6374, 0.3681, 0.4290.



This preview shows how white text looks on a background with the Yxy color 58.6374, 0.3681, 0.4290.

# 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

58.6374, 0.3681, 0.4290

### Protanopia

58.3941, 0.3875, 0.4196

### Deuteranopia

58.2863, 0.4082, 0.3989



## Tritanopia

58.6830, 0.3135, 0.3118

# Trichromacy



**Original Color**

58.6374, 0.3681, 0.4290

**Protanomaly**

58.2881, 0.3798, 0.4227

**Deuteranomaly**

57.9328, 0.3934, 0.4090

**Tritanomaly**

58.4785, 0.3338, 0.3540

# Monochromacy



**Original Color**

58.6374, 0.3681, 0.4290

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.2166, 0.3333, 0.3660

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6374, 0.3681, 0.4290 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(202, 207, 124)` looks like.

```
.text, #text, p{  
    color:rgb(202, 207, 124)  
}
```

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(202, 207, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 207, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6374, 0.3681, 0.4290 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(202, 207, 124) }
```

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

```
.border{ border-color:rgb(202, 207, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 207, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 207, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 207, 124);  
box-shadow:4px 4px 4px 4px rgb(202, 207,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6374, 0.3681, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 207, 124) }
```

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

```
.background{ background-color: rgb(202,  
207, 124) }
```

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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