

# Converting Colors

$Yxy(58.7335, 0.3579, 0.4182)$

Have a look what the booklet for  
Yxy(58.7335, 0.3579, 0.4182)  
contains.

<b>Yxy(59.0031, 0.3577, 0.4181)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(59.0031, 0.3577, 0.4181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7D087
RGB	199, 208, 135
RGB Percent	78%, 82%, 53%
CMY	0.2196, 0.1843, 0.4707
CMYK	0.04, 0.00, 0.35, 0.18
HSL	67°, 44%, 67%
HSV	67°, 35%, 82%
XYZ	50.4793, 59.0031, 31.6395
YIQ	196.9870, 18.0690, -24.6110

# Conversions

## Conversions Part 2

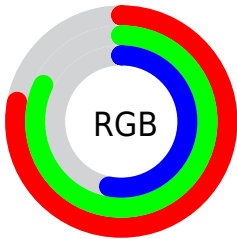
Format	Color
<a href="#">RYB</a>	<a href="#">135, 208, 144</a>
Decimal	<a href="#">13095047</a>
CIELab	<a href="#">81.29, -14.45, 35.28</a>
CIELCh	<a href="#">81, 38.123, 112.282</a>
Yxy	<a href="#">59.0031, 0.3577, 0.4181</a>
Android (android.graphics.Color)	<a href="#">4291285127 (0xFFC7D087)</a>
YUV	<a href="#">196.9870, -30.5596, 1.7654</a>
Hunter-Lab	<a href="#">76.8135, -17.1192, 29.3478</a>

# Details

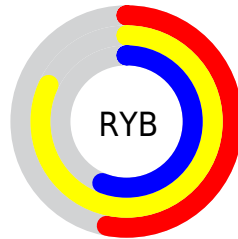
The Yxy color **59.0031, 0.3577, 0.4181** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.8036, 0.2570, 0.2265**, and the grayscale version is **56.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **29.6806, 0.3672, 0.4420** is the 20% darker color. If you saturate the color by 10%, you get **58.1278, 0.3694, 0.4429**, and if you desaturate by 10%, it is **60.0041, 0.3451, 0.3923**.

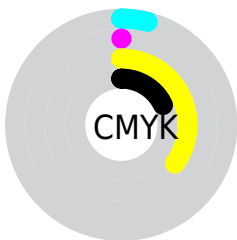
# Distribution



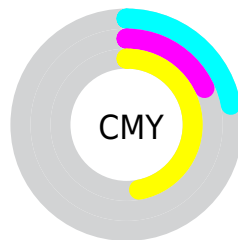
- Red (78%)
- Green (82%)
- Blue (53%)



- Red (53%)
- Yellow (82%)
- Blue (56%)



- Cyan (4%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)




- Cyan (22%)
- Magenta (18%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0031, 0.3577, 0.4181 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 59.0031, 0.3577, 0.4181 by changing the saturation by 10% instead.





 59.0031, 0.3577,  
0.4181


 59.0031, 0.3577,  
0.4181


420.9134, 0.3372,  
0.3745


 42.6156, 0.3621,  
0.4285


 103.3822, 0.3508,  
0.4026

 29.5836, 0.3674,  
0.4415


 132.1425, 0.3480,  
0.3967

 19.5228, 0.3736,  
0.4582


 165.7960, 0.3456,  
0.3916

 12.0486, 0.3809,  
0.4802

204.7269, 0.3435,  
0.3873

 6.7768, 0.3887,  
0.5099

249.3198, 0.3417,  
0.3835

 3.3229, 0.4102,  
0.5725

299.9588, 0.3400,

 1.3025, 0.3908,

0.3801

0.6092

357.0286, 0.3385,  
0.3772

■ 0.1432, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.0031, 0.3577,  
0.4181

■ 59.0031, 0.3577,  
0.4181

■ 58.1278, 0.3694,  
0.4429

■ 60.0041, 0.3451,  
0.3923

■ 57.3635, 0.3796,  
0.4657


■ 61.1290, 0.3321,  
0.3665


■ 56.7054, 0.3879,  
0.4855

■ 62.3862, 0.3192,  
0.3414

■ 56.1453, 0.3938,  
0.5014


■ 63.7811, 0.3066,  
0.3175


 55.6733, 0.3970,  
0.5130

 65.3187, 0.2947,  
0.2951

 55.2778, 0.3978,  
0.5200

 66.6923, 0.2864,  
0.2790

 55.1016, 0.3976,  
0.5225

 67.0826, 0.2881,  
0.2793

 67.4791, 0.2899,  
0.2795

 67.8817, 0.2917,  
0.2798

# Harmonies

## Analogous

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



59.0031, 0.3955, 0.4013



59.0031, 0.3577, 0.4181



59.0031, 0.3095, 0.4074

# Triad

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



59.0031, 0.3577, 0.4181



59.0031, 0.2231, 0.2787



59.0031, 0.3597, 0.2922

# Complementary

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



59.0031, 0.3577, 0.4181



27.8036, 0.2570, 0.2265

# 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.



59.0031, 0.3097, 0.2646



59.0031, 0.3577, 0.4181



59.0031, 0.2338, 0.2552

# Square

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



59.0031, 0.3577, 0.4181



59.0031, 0.2336, 0.3200



59.0031, 0.2642, 0.2511



59.0031, 0.3981, 0.3287



# Rectangle

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



59.0031, 0.3577, 0.4181



59.0031, 0.2783, 0.3842



59.0031, 0.2642, 0.2511



59.0031, 0.3435, 0.2817

# Sweetspot

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



59.0057, 0.3577, 0.4181



97.6725, 0.3269, 0.3564



34.9536, 0.3920, 0.3401



20.8485, 0.3287, 0.3599



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.



59.0057, 0.3577, 0.4181



92.4933, 0.3665, 0.4366



54.6480, 0.3285, 0.4272



13.7205, 0.3247, 0.3521



34.3679, 0.3979, 0.5223



1.9429, 0.4021, 0.5189



# Inverse Universe

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



27.8036, 0.2570, 0.2265



35.9580, 0.2427, 0.2014



31.5800, 0.2897, 0.2354



11.4866, 0.3001, 0.3051



2.9953, 0.1549, 0.0627



0.1912, 0.1676, 0.0697



# Previews

## White Background



This preview shows how the Yxy color 59.0031, 0.3577, 0.4181 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 59.0031, 0.3577, 0.4181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

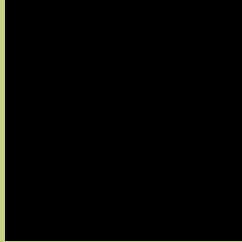
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.0031, 0.3577, 0.4181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0031, 0.3577, 0.4181.



This preview shows how white text looks on a background with the Yxy color 59.0031, 0.3577, 0.4181.

# 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

59.0031, 0.3577, 0.4181

### Protanopia

58.9671, 0.3790, 0.4100

### Deuteranopia

58.6757, 0.3974, 0.3890



## Tritanopia

58.7985, 0.3097, 0.3106

# Trichromacy



## Original Color

59.0031, 0.3577, 0.4181

## Protanomaly

58.8762, 0.3715, 0.4128

## Deuteranomaly

58.3631, 0.3830, 0.3986

## Tritanomaly

58.7230, 0.3275, 0.3493

# Monochromacy



## Original Color

59.0031, 0.3577, 0.4181

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.8350, 0.3302, 0.3622

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0031, 0.3577, 0.4181 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(199, 208, 135)` looks like.

```
.text, #text, p{  
    color:rgb(199, 208, 135)  
}
```

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(199, 208, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 208, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0031, 0.3577, 0.4181 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(199, 208, 135) }
```

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

```
.border{ border-color:rgb(199, 208, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 208, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 208, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 208, 135);  
box-shadow:4px 4px 4px 4px rgb(199, 208,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0031, 0.3577, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 208, 135) }
```

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

```
.background{ background-color: rgb(199,  
208, 135) }
```

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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