

# Converting Colors

$Yxy(69.7893, 0.3804, 0.4963)$

Have a look what the booklet for  
Yxy(69.7893, 0.3804, 0.4963)  
contains.

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# Color

**Yxy(69.8019, 0.3800, 0.4968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E74B
RGB	199, 231, 75
RGB Percent	78%, 91%, 29%
CMY	0.2198, 0.0941, 0.7060
CMYK	0.14, 0.00, 0.68, 0.09
HSL	72°, 76%, 60%
HSV	72°, 68%, 91%
XYZ	53.3911, 69.8019, 17.3100
YIQ	203.6480, 31.0040, -55.3000

# Conversions

## Conversions Part 2

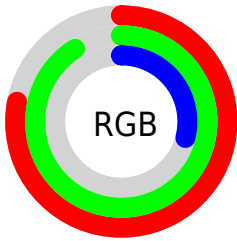
Format	Color
<a href="#">RYB</a>	<a href="#">75, 231, 107</a>
Decimal	<a href="#">13100875</a>
CIELab	<a href="#">86.90, -30.98, 69.07</a>
CIELCh	<a href="#">87, 75.698, 114.158</a>
Yxy	<a href="#">69.8019, 0.3800, 0.4968</a>
Android (android.graphics.Color)	<a href="#">4291290955 (0xFFC7E74B)</a>
YUV	<a href="#">203.6480, -63.4235, -4.0763</a>
Hunter-Lab	<a href="#">83.5475, -32.1375, 46.1991</a>

# Details

The Yxy color **69.8019, 0.3800, 0.4968** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **13.9262, 0.2018, 0.1221**, and the grayscale version is **60.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **36.3227, 0.3855, 0.5321** is the 20% darker color. If you saturate the color by 10%, you get **68.9053, 0.3837, 0.5134**, and if you desaturate by 10%, it is **70.8398, 0.3738, 0.4762**.

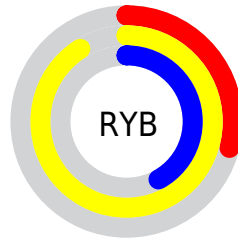
# Distribution



Red (78%)

Green (91%)

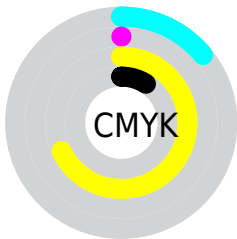
Blue (29%)



Red (29%)

Yellow (91%)

Blue (42%)

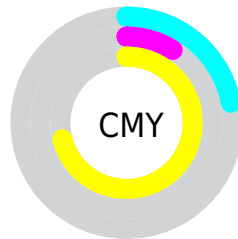


Cyan (14%)

Magenta (0%)

Yellow (68%)

Black (9%)



Cyan (22%)

Magenta (9%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8019, 0.3800, 0.4968 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 69.8019, 0.3800, 0.4968 by changing the saturation by 10% instead.





 69.8019, 0.3800,  
0.4968


 69.8019, 0.3800,  
0.4968


459.8541, 0.3549,  
0.4185

 51.3651, 0.3834,  
0.5136


 118.9262, 0.3730,  
0.4702


 36.4992, 0.3863,  
0.5335


 150.3825, 0.3698,  
0.4596

 24.8200, 0.3877,  
0.5569


 186.9473, 0.3667,  
0.4505

 15.9430, 0.3857,  
0.5841

 229.0051, 0.3640,  
0.4424

 9.4838, 0.3802,  
0.6198

 276.9403, 0.3614,  
0.4353

 5.0581, 0.3541,  
0.6459

331.1373, 0.3590,

 2.2814, 0.3121,

0.4291

0.6879

391.9804, 0.3569,  
0.4235

0.7638, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.8019, 0.3800,  
0.4968

69.8019, 0.3800,  
0.4968

68.9053, 0.3837,  
0.5134

70.8398, 0.3738,  
0.4762

68.1273, 0.3848,  
0.5253

72.0209, 0.3655,  
0.4524

67.4532, 0.3834,  
0.5327


73.3583, 0.3556,  
0.4267


67.2969, 0.3829,  
0.5342


74.8612, 0.3446,  
0.4000

 76.5377, 0.3330,  
0.3734

 78.3956, 0.3214,  
0.3476

 80.4421, 0.3099,  
0.3231

 82.3718, 0.3018,  
0.3050

 83.1991, 0.3049,  
0.3052

# Harmonies

## Analogous

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



69.8019, 0.4532, 0.4528



69.8019, 0.3800, 0.4968



69.8019, 0.2941, 0.4836

# Triad

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



69.8019, 0.3800, 0.4968



69.8019, 0.1594, 0.2300



69.8019, 0.4048, 0.2661

# Complementary

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



69.8019, 0.3800, 0.4968



13.9262, 0.2018, 0.1221

# 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.



69.8019, 0.3097, 0.2209



69.8019, 0.3800, 0.4968



69.8019, 0.1786, 0.1981

# Square

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



69.8019, 0.3800, 0.4968



69.8019, 0.1714, 0.2997



69.8019, 0.2289, 0.1967



69.8019, 0.4765, 0.3247



# Rectangle

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



69.8019, 0.3800, 0.4968



69.8019, 0.2407, 0.4337



69.8019, 0.2289, 0.1967



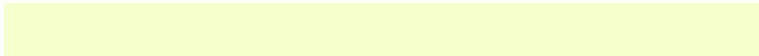
69.8019, 0.3735, 0.2491

# Sweetspot

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



69.8051, 0.3800, 0.4968



95.2067, 0.3360, 0.3802



27.8446, 0.5104, 0.3607



20.2499, 0.3393, 0.3877



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.



69.8051, 0.3800, 0.4968



85.8197, 0.3844, 0.5186



61.7899, 0.3256, 0.5317



16.6599, 0.3236, 0.3524



37.7764, 0.3835, 0.5337



2.8294, 0.3890, 0.5293



# Inverse Universe

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



13.9262, 0.2018, 0.1221



11.5887, 0.1793, 0.0887



21.0143, 0.2713, 0.1551



14.0290, 0.3012, 0.3049



3.6216, 0.1605, 0.0658



0.3066, 0.1740, 0.0732



# Previews

## White Background



This preview shows how the Yxy color 69.8019, 0.3800, 0.4968 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 69.8019, 0.3800, 0.4968 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 69.8019, 0.3800, 0.4968**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8019, 0.3800, 0.4968.



This preview shows how white text looks on a background with the Yxy color 69.8019, 0.3800, 0.4968.

# 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

69.8019, 0.3800, 0.4968

### Protanopia

69.6524, 0.4243, 0.4678

### Deuteranopia

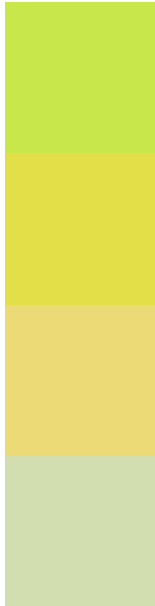
69.3364, 0.3973, 0.3978



## Tritanopia

69.5939, 0.3015, 0.3105

# Trichromacy



## Original Color

69.8019, 0.3800, 0.4968

## Protanomaly

69.5741, 0.4078, 0.4790

## Deuteranomaly

69.1130, 0.3940, 0.4350

## Tritanomaly

68.5491, 0.3349, 0.3809

# Monochromacy



## Original Color

69.8019, 0.3800, 0.4968

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

63.0840, 0.3432, 0.3973

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8019, 0.3800, 0.4968 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, 231, 75)` looks like.

```
.text, #text, p{  
    color:rgb(199, 231, 75)  
}
```

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, 231, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 231, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8019, 0.3800, 0.4968 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, 231, 75) }
```

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

```
.border{ border-color:rgb(199, 231, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 231, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 231, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 231, 75);  
box-shadow:4px 4px 4px 4px rgb(199, 231,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8019, 0.3800, 0.4968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 231, 75) }
```

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

```
.background{ background-color: rgb(199,  
231, 75) }
```

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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