

# Converting Colors

$Yxy(67.9905, 0.3914, 0.4947)$

Have a look what the booklet for  
Yxy(67.9905, 0.3914, 0.4947)  
contains.

<b>Yxy(67.9198, 0.3912, 0.4951)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.9198, 0.3912, 0.4951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE243
RGB	206, 226, 67
RGB Percent	81%, 89%, 26%
CMY	0.1921, 0.1137, 0.7371
CMYK	0.09, 0.00, 0.70, 0.11
HSL	68°, 73%, 57%
HSV	68°, 70%, 89%
XYZ	53.6664, 67.9198, 15.5978
YIQ	201.8940, 39.1190, -53.6890

# Conversions

## Conversions Part 2

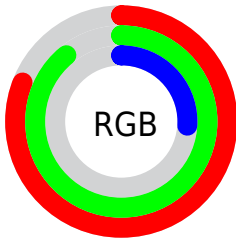
Format	Color
<a href="#">RYB</a>	<a href="#">67, 226, 87</a>
Decimal	<a href="#">13558339</a>
CIELab	<a href="#">85.97, -26.25, 71.16</a>
CIELCh	<a href="#">86, 75.843, 110.249</a>
Yxy	<a href="#">67.9198, 0.3912, 0.4951</a>
Android (android.graphics.Color)	<a href="#">4291748419</a> (0xFFCEE243)
YUV	<a href="#">201.8940, -66.5027, 3.6010</a>
Hunter-Lab	<a href="#">82.4135, -27.9871, 46.4680</a>

# Details

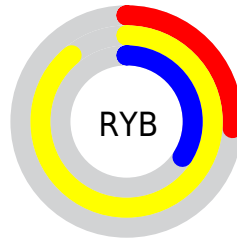
The Yxy color **67.9198, 0.3912, 0.4951** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **11.5389, 0.1885, 0.1106**, and the grayscale version is **59.4033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **35.4217, 0.3960, 0.5238** is the 20% darker color. If you saturate the color by 10%, you get **67.2991, 0.3956, 0.5087**, and if you desaturate by 10%, it is **68.6598, 0.3842, 0.4772**.

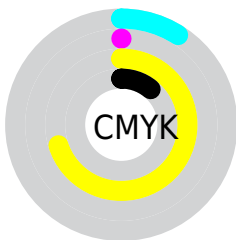
# Distribution



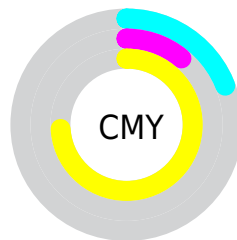
- Red (81%)
- Green (89%)
- Blue (26%)



- Red (26%)
- Yellow (89%)
- Blue (34%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)




- Cyan (19%)
- Magenta (11%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9198, 0.3912, 0.4951 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 67.9198, 0.3912, 0.4951 by changing the saturation by 10% instead.




 67.9198, 0.3912,  
0.4951

 67.9198, 0.3912,  
0.4951


453.2118, 0.3611,  
0.4185

 49.8325, 0.3956,  
0.5112


 116.2374, 0.3826,  
0.4694

 35.2803, 0.3995,  
0.5299


 147.2365, 0.3787,  
0.4591


 23.8789, 0.4020,  
0.5514


 183.3083, 0.3751,  
0.4501

 15.2438, 0.4019,  
0.5767

 224.8372, 0.3717,  
0.4422

 8.9907, 0.3954,  
0.6046

 272.2076, 0.3687,  
0.4352

 4.7351, 0.3726,  
0.6274

325.8039, 0.3659,

 2.0927, 0.3352,

0.4290

0.6648

386.0105, 0.3634,  
0.4235

0.6605, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.9198, 0.3912,  
0.4951

67.9198, 0.3912,  
0.4951

67.2991, 0.3956,  
0.5087

68.6598, 0.3842,  
0.4772


66.7754, 0.3974,  
0.5178

69.5209, 0.3750,  
0.4558

66.3423, 0.3971,  
0.5229

70.5159, 0.3640,  
0.4318


71.6534, 0.3518,  
0.4063

 72.9413, 0.3390,  
0.3803

 74.3870, 0.3259,  
0.3546

 75.9972, 0.3131,  
0.3298

 77.7784, 0.3008,  
0.3065

 78.7013, 0.2983,  
0.2995

# Harmonies

## Analogous

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



67.9198, 0.4620, 0.4458



67.9198, 0.3912, 0.4951



67.9198, 0.3049, 0.4917

# Triad

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



67.9198, 0.3912, 0.4951



67.9198, 0.1578, 0.2358



67.9198, 0.3936, 0.2585

# Complementary

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



67.9198, 0.3912, 0.4951



11.5389, 0.1885, 0.1106

# 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.



67.9198, 0.2975, 0.2154



67.9198, 0.3912, 0.4951



67.9198, 0.1732, 0.1991

# Square

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



67.9198, 0.3912, 0.4951



67.9198, 0.1742, 0.3113



67.9198, 0.2197, 0.1942



67.9198, 0.4716, 0.3163



# Rectangle

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



67.9198, 0.3912, 0.4951



67.9198, 0.2497, 0.4470



67.9198, 0.2197, 0.1942



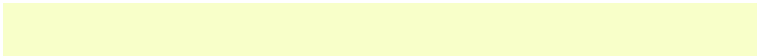
67.9198, 0.3614, 0.2421

# Sweetspot

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



67.9229, 0.3912, 0.4951



95.7632, 0.3400, 0.3824



23.1653, 0.5345, 0.3471



20.3931, 0.3436, 0.3896



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.



67.9229, 0.3912, 0.4951



88.1827, 0.3967, 0.5131



59.3871, 0.3334, 0.5335



15.9376, 0.3248, 0.3523



37.8836, 0.3974, 0.5226



2.6507, 0.4010, 0.5198



# Inverse Universe

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



11.5389, 0.1885, 0.1106



10.0117, 0.1674, 0.0791



17.5176, 0.2553, 0.1430



13.3255, 0.3000, 0.3049



3.3046, 0.1549, 0.0627



0.2565, 0.1656, 0.0686



# Previews

## White Background



This preview shows how the Yxy color 67.9198, 0.3912, 0.4951 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 67.9198, 0.3912, 0.4951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

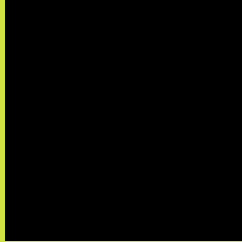
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.9198, 0.3912, 0.4951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9198, 0.3912, 0.4951.



This preview shows how white text looks on a background with the Yxy color 67.9198, 0.3912, 0.4951.

# 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

67.9198, 0.3912, 0.4951

### Protanopia

67.6718, 0.4276, 0.4705

### Deuteranopia

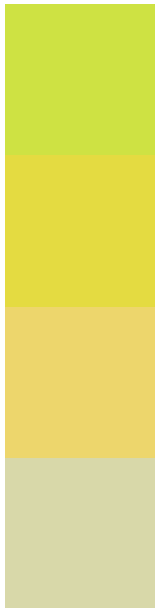
67.5516, 0.4065, 0.4055



## Tritanopia

67.7196, 0.3092, 0.3106

# Trichromacy



**Original Color**

67.9198, 0.3912, 0.4951

**Protanomaly**

67.5387, 0.4140, 0.4797

**Deuteranomaly**

67.1804, 0.4038, 0.4398

**Tritanomaly**

66.5752, 0.3454, 0.3830

# Monochromacy



**Original Color**

67.9198, 0.3912, 0.4951

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

61.5849, 0.3475, 0.3987

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9198, 0.3912, 0.4951 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, 226, 67)` looks like.

```
.text, #text, p{  
    color:rgb(206, 226, 67)  
}
```

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, 226, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 226, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9198, 0.3912, 0.4951 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, 226, 67) }
```

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

```
.border{ border-color:rgb(206, 226, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 226, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 226, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 226, 67);  
box-shadow:4px 4px 4px 4px rgb(206, 226,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9198, 0.3912, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 226, 67) }
```

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

```
.background{ background-color: rgb(206,  
226, 67) }
```

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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