

Converting Colors

$Yxy(68.6735, 0.3894, 0.4842)$

Have a look what the booklet for
Yxy(68.6735, 0.3894, 0.4842)
contains.

Yxy(68.6735, 0.3894, 0.4842)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.6735, 0.3894, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	D2E250
RGB	210, 226, 80
RGB Percent	82%, 89%, 31%
CMY	0.1764, 0.1137, 0.6864
CMYK	0.07, 0.00, 0.65, 0.11
HSL	67°, 72%, 60%
HSV	67°, 65%, 89%
XYZ	55.2281, 68.6735, 17.9272
YIQ	204.5720, 37.3300, -48.7980

Conversions

Conversions Part 2

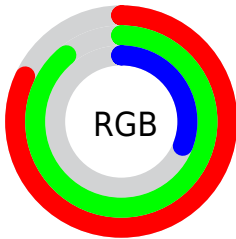
Format	Color
RYB	80, 226, 96
Decimal	13820496
CIELab	86.34, -23.90, 66.83
CIELCh	86, 70.978, 109.676
Yxy	68.6735, 0.3894, 0.4842
Android (android.graphics.Color)	4292010576 (0xFFD2E250)
YUV	204.5720, -61.4140, 4.7604
Hunter-Lab	82.8695, -26.0608, 45.1824

Details

The Yxy color **68.6735, 0.3894, 0.4842** 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 **13.7072, 0.1972, 0.1262**, and the grayscale version is **61.1465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **35.8254, 0.3986, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **68.0370, 0.3956, 0.5000**, and if you desaturate by 10%, it is **69.4342, 0.3808, 0.4645**.

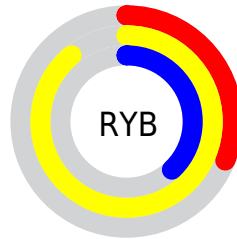
Distribution



Red (82%)

Green (89%)

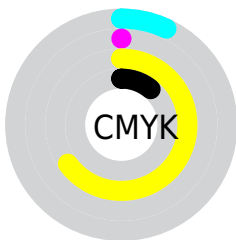
Blue (31%)



Red (31%)

Yellow (89%)

Blue (38%)

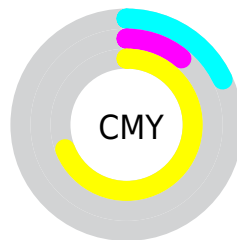


Cyan (7%)

Magenta (0%)

Yellow (65%)

Black (11%)



Cyan (18%)


Magenta (11%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6735, 0.3894, 0.4842 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 68.6735, 0.3894, 0.4842 by changing the saturation by 10% instead.


 68.6735, 0.3894,
0.4842


 68.6735, 0.3894,
0.4842


455.8786, 0.3590,
0.4124


 50.4459, 0.3943,
0.4995


 117.3151, 0.3804,
0.4599

 35.7678, 0.3990,
0.5175


 148.4979, 0.3764,
0.4503


 24.2549, 0.4029,
0.5385


 184.7678, 0.3728,
0.4419

 15.5228, 0.4043,
0.5626

 226.5093, 0.3695,
0.4345

 9.1871, 0.4045,
0.5955

 274.1067, 0.3665,
0.4280

 4.8634, 0.3842,
0.6158

327.9444, 0.3638,

 2.1674, 0.3509,

0.4222

0.6491

388.4069, 0.3613,
0.4170

0.7021, 0.1068,
0.8932

0.0000, 0.0000,
0.0000

68.6735, 0.3894,
0.4842

68.6735, 0.3894,
0.4842

68.0370, 0.3956,
0.5000

69.4342, 0.3808,
0.4645

67.5034, 0.3991,
0.5113


70.3198, 0.3702,
0.4418


67.0615, 0.4002,
0.5182


71.3425, 0.3581,
0.4170

66.8490, 0.4000,
0.5206


72.5105, 0.3452,
0.3913

 73.8314, 0.3319,
0.3654

 75.3121, 0.3187,
0.3402

 76.9593, 0.3059,
0.3163

 78.4018, 0.2972,
0.2994

 78.8131, 0.2988,
0.2996

Harmonies

Analogous

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



68.6735, 0.4549, 0.4395



68.6735, 0.3894, 0.4842



68.6735, 0.3082, 0.4802

Triad

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



68.6735, 0.3894, 0.4842



68.6735, 0.1662, 0.2432



68.6735, 0.3868, 0.2619

Complementary

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



68.6735, 0.3894, 0.4842



13.7072, 0.1972, 0.1262

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.



68.6735, 0.2972, 0.2210



68.6735, 0.3894, 0.4842



68.6735, 0.1802, 0.2070

Square

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



68.6735, 0.3894, 0.4842



68.6735, 0.1829, 0.3150



68.6735, 0.2242, 0.2013



68.6735, 0.4600, 0.3170

Rectangle

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



68.6735, 0.3894, 0.4842



68.6735, 0.2558, 0.4395



68.6735, 0.2242, 0.2013



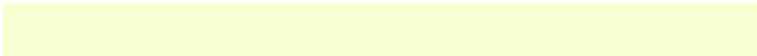
68.6735, 0.3568, 0.2463

Sweetspot

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



68.6766, 0.3894, 0.4842



96.2720, 0.3379, 0.3770



24.8549, 0.5109, 0.3445



20.5003, 0.3418, 0.3845



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.



68.6766, 0.3894, 0.4842



89.1723, 0.3973, 0.5049



60.4064, 0.3356, 0.5173



15.9495, 0.3250, 0.3523



38.1700, 0.4003, 0.5204



2.6678, 0.4034, 0.5179

Inverse Universe

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



13.7072, 0.1972, 0.1262



11.6714, 0.1739, 0.0898



19.5034, 0.2589, 0.1546



13.3147, 0.2997, 0.3049



3.2735, 0.1540, 0.0622



0.2513, 0.1637, 0.0675

Previews

White Background



This preview shows how the Yxy color 68.6735, 0.3894, 0.4842 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 68.6735, 0.3894, 0.4842 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 68.6735, 0.3894, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 68.6735, 0.3894, 0.4842.



This preview shows how white text looks on a background with the Yxy color 68.6735, 0.3894, 0.4842.

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

68.6735, 0.3894, 0.4842

Protanopia

68.3483, 0.4216, 0.4635

Deuteranopia

68.2067, 0.4018, 0.4008



Tritanopia

68.1975, 0.3114, 0.3107

Trichromacy



Original Color

68.6735, 0.3894, 0.4842

Protanomaly

68.5595, 0.4097, 0.4713

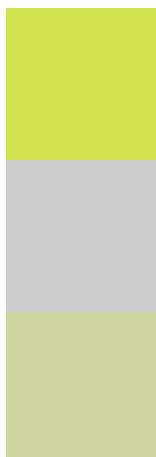
Deuteranomaly

68.2360, 0.3994, 0.4318

Tritanomaly

67.3834, 0.3450, 0.3767

Monochromacy



Original Color

68.6735, 0.3894, 0.4842

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.3920, 0.3453, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6735, 0.3894, 0.4842 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(210, 226, 80)` looks like.

```
.text, #text, p{  
    color:rgb(210, 226, 80)  
}
```

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(210, 226, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 226, 80) }
```

Border

The CSS property to change the border of an element to Yxy 68.6735, 0.3894, 0.4842 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(210, 226, 80) }
```

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

```
.border{ border-color:rgb(210, 226, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 226, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 226, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 226, 80);  
box-shadow:4px 4px 4px 4px rgb(210, 226,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6735, 0.3894, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 226, 80) }
```

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

```
.background{ background-color: rgb(210,  
226, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor