

Converting Colors

$Yxy(80.7199, 0.3380, 0.4205)$

Have a look what the booklet for
Yxy(80.7199, 0.3380, 0.4205)
contains.

Yxy(80.7199, 0.3380, 0.4205)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7199, 0.3380, 0.4205)

Conversions

Conversions Part 1

Format	Color
Hex	D0F4A2
RGB	208, 244, 162
RGB Percent	82%, 96%, 64%
CMY	0.1844, 0.0431, 0.3646
CMYK	0.15, 0.00, 0.34, 0.04
HSL	86°, 79%, 80%
HSV	86°, 34%, 96%
XYZ	64.8831, 80.7199, 46.3588
YIQ	223.8880, 4.8660, -33.1340

Conversions

Conversions Part 2

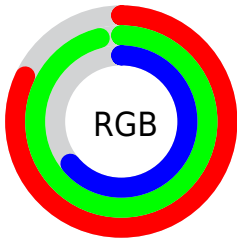
Format	Color
RYB	162, 244, 198
Decimal	13694114
CIELab	92.01, -25.30, 35.76
CIElCh	92, 43.801, 125.275
Yxy	80.7199, 0.3380, 0.4205
Android (android.graphics.Color)	4291884194 (0xFFD0F4A2)
YUV	223.8880, -30.5108, -13.9338
Hunter-Lab	89.8443, -28.3196, 32.2979

Details

The Yxy color **80.7199, 0.3380, 0.4205** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.3998, 0.2791, 0.2357**, and the grayscale version is **74.6782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **43.8429, 0.3427, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **78.4358, 0.3442, 0.4499**, and if you desaturate by 10%, it is **83.2845, 0.3309, 0.3915**.

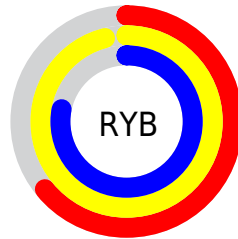
Distribution



Red (82%)

Green (96%)

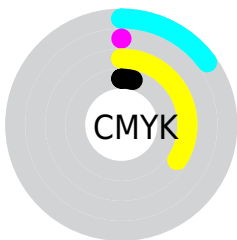
Blue (64%)



Red (64%)

Yellow (96%)

Blue (78%)

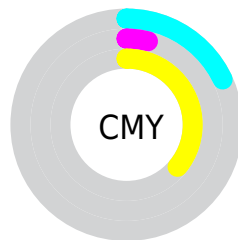


Cyan (15%)

Magenta (0%)

Yellow (34%)

Black (4%)



Cyan (18%)


Magenta (4%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7199, 0.3380, 0.4205 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 80.7199, 0.3380, 0.4205 by changing the saturation by 10% instead.

 80.7199, 0.3380,
0.4205

 80.7199, 0.3380,
0.4205


497.3556, 0.3277,
0.3774

 60.3109, 0.3399,
0.4304


 134.3774, 0.3348,
0.4055

 43.6693, 0.3421,
0.4427

 168.3947, 0.3334,
0.3996

 30.4106, 0.3444,
0.4582


207.7170, 0.3322,
0.3946

 20.1505, 0.3468,
0.4783

252.7285, 0.3311,
0.3903

 12.5045, 0.3488,
0.5053

303.8138, 0.3302,
0.3865

 7.0882, 0.3489,
0.5428


361.3571, 0.3293,


 3.5173, 0.3552,


0.3831


0.6180


425.7429, 0.3285,
0.3801


 1.4074, 0.3146,
0.6854


 0.2222, 0.0000,
1.0000


 80.7199, 0.3380,
0.4205


 80.7199, 0.3380,
0.4205


 78.4358, 0.3442,
0.4499


 83.2845, 0.3309,
0.3915


 76.4099, 0.3491,
0.4786

 86.1301, 0.3233,
0.3638

 74.6326, 0.3521,
0.5052

 89.2705, 0.3155,
0.3378

 73.0898, 0.3529,
0.5282

 92.4129, 0.3106,
0.3184

■ 71.7652, 0.3513,
0.5465

■ 93.1863, 0.3132,
0.3185

■ 70.6392, 0.3474,
0.5592

■ 70.0050, 0.3441,
0.5650

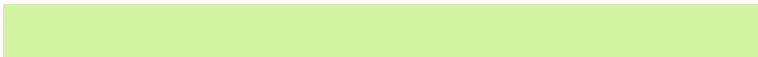
Harmonies

Analogous

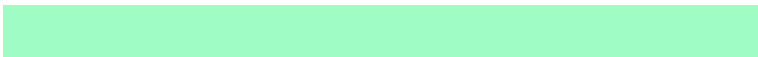
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7199, 0.3834, 0.4141



80.7199, 0.3380, 0.4205



80.7199, 0.2879, 0.3960

Triad

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



80.7199, 0.3380, 0.4205



80.7199, 0.2224, 0.2639



80.7199, 0.3811, 0.3065

Complementary

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



80.7199, 0.3380, 0.4205



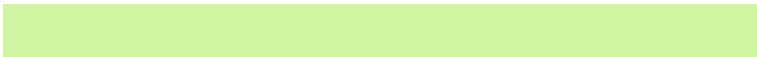
44.3998, 0.2791, 0.2357

Split Complementary

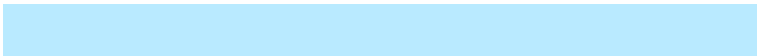
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7199, 0.3323, 0.2733



80.7199, 0.3380, 0.4205



80.7199, 0.2425, 0.2486

Square

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



80.7199, 0.3380, 0.4205



80.7199, 0.2237, 0.2991



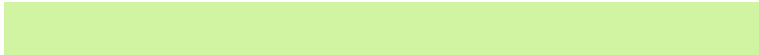
80.7199, 0.2814, 0.2526



80.7199, 0.4107, 0.3461

Rectangle

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



80.7199, 0.3380, 0.4205



80.7199, 0.2587, 0.3657



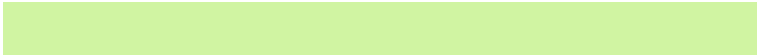
80.7199, 0.2814, 0.2526



80.7199, 0.3661, 0.2944

Sweetspot

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



80.7234, 0.3380, 0.4205



96.4012, 0.3205, 0.3543



62.0305, 0.3788, 0.3676



20.5313, 0.3216, 0.3580



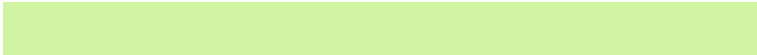
0.0000, 0.0000, 0.0000



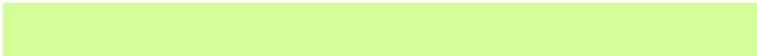
21.4041, 0.3127, 0.3290

Same Dimension

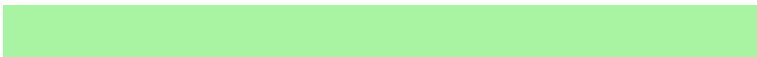
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7234, 0.3380, 0.4205



87.5466, 0.3422, 0.4397



75.5864, 0.3113, 0.4285



18.9301, 0.3201, 0.3529



38.1443, 0.3452, 0.5641



3.4133, 0.3540, 0.5571

Inverse Universe

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



44.3998, 0.2791, 0.2357



41.9850, 0.2707, 0.2157



50.6568, 0.3121, 0.2443



16.2830, 0.3048, 0.3050



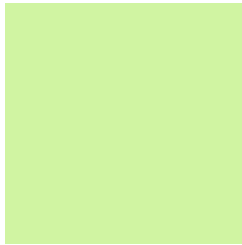
5.3370, 0.1911, 0.0826



0.5288, 0.2049, 0.0903

Previews

White Background



This preview shows how the Yxy color 80.7199, 0.3380, 0.4205 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 80.7199, 0.3380, 0.4205 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

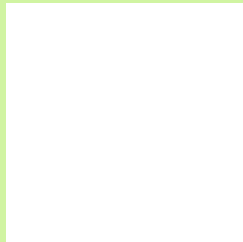
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7199, 0.3380, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 80.7199, 0.3380, 0.4205.

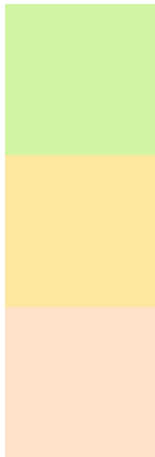


This preview shows how white text looks on a background with the Yxy color 80.7199, 0.3380, 0.4205.

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

80.7199, 0.3380, 0.4205

Protanopia

80.0954, 0.3760, 0.4046

Deuteranopia

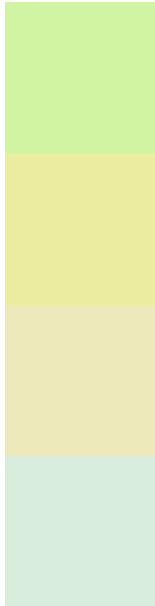
80.4152, 0.3503, 0.3554



Tritanopia

80.6150, 0.2940, 0.3103

Trichromacy



Original Color

80.7199, 0.3380, 0.4205

Protanomaly

80.1563, 0.3612, 0.4106

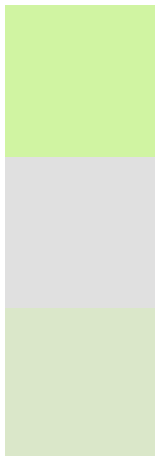
Deuteranomaly

80.0428, 0.3461, 0.3775

Tritanomaly

80.2818, 0.3098, 0.3484

Monochromacy



Original Color

80.7199, 0.3380, 0.4205

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

76.2743, 0.3229, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7199, 0.3380, 0.4205 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(208, 244, 162)` looks like.

```
.text, #text, p{  
    color:rgb(208, 244, 162)  
}
```

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(208, 244, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 244, 162) }
```

Border

The CSS property to change the border of an element to Yxy 80.7199, 0.3380, 0.4205 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(208, 244, 162) }
```

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

```
.border{ border-color:rgb(208, 244, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 244, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 244, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 244, 162);  
box-shadow:4px 4px 4px 4px rgb(208, 244,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7199, 0.3380, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 244, 162) }
```

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

```
.background{ background-color: rgb(208,  
244, 162) }
```

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