

Converting Colors

Yxy(83.9352, 0.3427, 0.4106)

Have a look what the booklet for
Yxy(83.9352, 0.3427, 0.4106)
contains.

Yxy(83.7367, 0.3428, 0.4099)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.7367, 0.3428, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	DEF5AA
RGB	222, 245, 170
RGB Percent	87%, 96%, 67%
CMY	0.1295, 0.0392, 0.3332
CMYK	0.09, 0.00, 0.31, 0.04
HSL	78°, 79%, 81%
HSV	78°, 31%, 96%
XYZ	70.0291, 83.7367, 50.5198
YIQ	229.5730, 10.3670, -28.2010

Conversions

Conversions Part 2

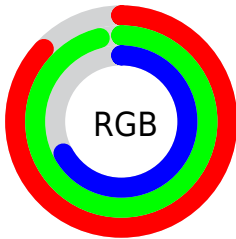
Format	Color
RYB	170, 245, 193
Decimal	14611882
CIELab	93.34, -19.68, 33.68
CIELCh	93, 39.006, 120.301
Yxy	83.7367, 0.3428, 0.4099
Android (android.graphics.Color)	4292801962 (0xFFDEF5AA)
YUV	229.5730, -29.3695, -6.6415
Hunter-Lab	91.5078, -23.5360, 31.3224

Details

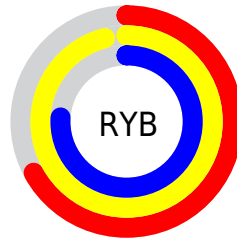
The Yxy color **83.7367, 0.3428, 0.4099** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.7042, 0.2751, 0.2430**, and the grayscale version is **79.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **45.7865, 0.3483, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **81.7354, 0.3517, 0.4377**, and if you desaturate by 10%, it is **85.9712, 0.3332, 0.3823**.

Distribution



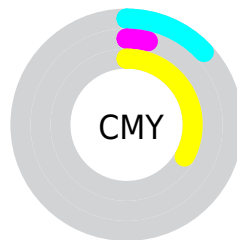
- Red (87%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7367, 0.3428, 0.4099 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 83.7367, 0.3428, 0.4099 by changing the saturation by 10% instead.

 83.7367, 0.3428,
0.4099

 83.7367, 0.3428,
0.4099


507.4385, 0.3301,
0.3723

 62.7981, 0.3453,
0.4184


 138.6068, 0.3387,
0.3969

 45.6779, 0.3483,
0.4289


173.3071, 0.3370,
0.3918

 31.9917, 0.3517,
0.4421


213.3633, 0.3355,
0.3875

 21.3552, 0.3557,
0.4591

259.1600, 0.3342,
0.3836

 13.3839, 0.3600,
0.4817

311.0814, 0.3330,
0.3803

 7.6934, 0.3642,
0.5127


369.5121, 0.3320,


 3.8994, 0.3700,

0.3773

0.5637

434.8363, 0.3310,
0.3747


 1.6174, 0.3639,
0.6361

 0.3693, 0.0000,
1.0000

 83.7367, 0.3428,
0.4099


 83.7367, 0.3428,
0.4099


 81.7354, 0.3517,
0.4377


 85.9712, 0.3332,
0.3823


 79.9461, 0.3593,
0.4647

 88.4375, 0.3232,
0.3556

 78.3611, 0.3652,
0.4896

 91.1482, 0.3133,
0.3305

 76.9679, 0.3688,
0.5112

 93.2428, 0.3113,
0.3194

■ 75.7523, 0.3699,
0.5284

■ 93.7911, 0.3132,
0.3194

■ 74.6974, 0.3684,
0.5407

■ 73.8269, 0.3652,
0.5482

Harmonies

Analogous

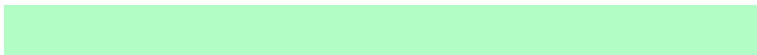
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7367, 0.3809, 0.4012



83.7367, 0.3428, 0.4099



83.7367, 0.2983, 0.3926

Triad

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



83.7367, 0.3428, 0.4099



83.7367, 0.2312, 0.2758



83.7367, 0.3665, 0.3038

Complementary

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



83.7367, 0.3428, 0.4099



46.7042, 0.2751, 0.2430

Split Complementary

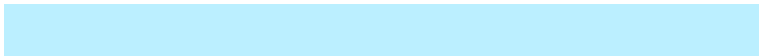
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7367, 0.3225, 0.2755



83.7367, 0.3428, 0.4099



83.7367, 0.2462, 0.2587

Square

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



83.7367, 0.3428, 0.4099



83.7367, 0.2358, 0.3098



83.7367, 0.2786, 0.2592



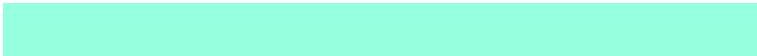
83.7367, 0.3961, 0.3388

Rectangle

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



83.7367, 0.3428, 0.4099



83.7367, 0.2712, 0.3683



83.7367, 0.2786, 0.2592



83.7367, 0.3527, 0.2933

Sweetspot

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



83.7404, 0.3428, 0.4099



97.2961, 0.3216, 0.3515



60.2505, 0.3748, 0.3535



20.7362, 0.3231, 0.3553



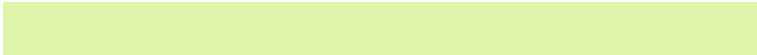
0.0000, 0.0000, 0.0000



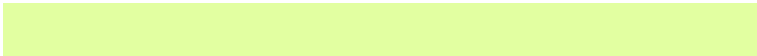
21.4041, 0.3127, 0.3290

Same Dimension

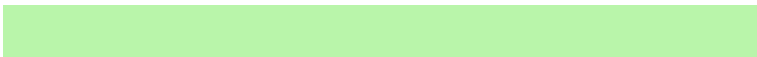
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7404, 0.3428, 0.4099



90.2513, 0.3487, 0.4280



78.5332, 0.3179, 0.4166



19.0432, 0.3221, 0.3527



39.8446, 0.3660, 0.5476



3.5559, 0.3729, 0.5421

Inverse Universe

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



46.7042, 0.2751, 0.2430



43.4884, 0.2652, 0.2223



52.1826, 0.3041, 0.2499



16.1736, 0.3027, 0.3049



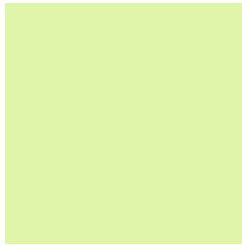
4.4272, 0.1710, 0.0716



0.4409, 0.1842, 0.0788

Previews

White Background



This preview shows how the Yxy color 83.7367, 0.3428, 0.4099 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 83.7367, 0.3428, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

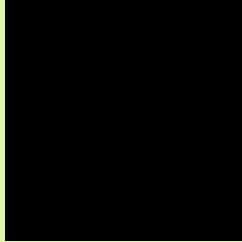
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

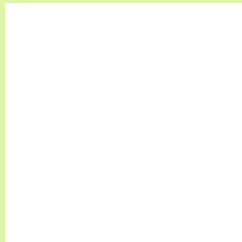
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7367, 0.3428, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 83.7367, 0.3428, 0.4099.

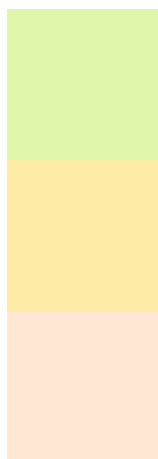


This preview shows how white text looks on a background with the Yxy color 83.7367, 0.3428, 0.4099.

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

83.7367, 0.3428, 0.4099

Protanopia

83.2407, 0.3711, 0.3987

Deuteranopia

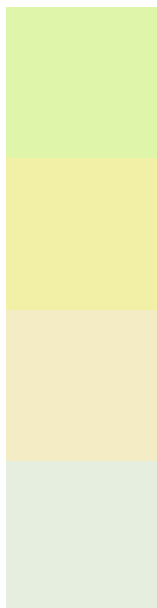
83.1653, 0.3420, 0.3481



Tritanopia

83.2611, 0.3005, 0.3098

Trichromacy



Original Color

83.7367, 0.3428, 0.4099

Protanomaly

83.4003, 0.3604, 0.4037

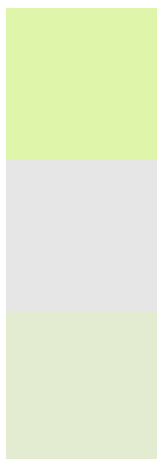
Deuteranomaly

83.0768, 0.3425, 0.3694

Tritanomaly

83.1348, 0.3160, 0.3447

Monochromacy



Original Color

83.7367, 0.3428, 0.4099

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.3016, 0.3243, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7367, 0.3428, 0.4099 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(222, 245, 170)` looks like.

```
.text, #text, p{  
    color:rgb(222, 245, 170)  
}
```

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(222, 245, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 245, 170) }
```

Border

The CSS property to change the border of an element to Yxy 83.7367, 0.3428, 0.4099 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(222, 245, 170) }
```

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

```
.border{ border-color:rgb(222, 245, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 245, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 245, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 245, 170);  
box-shadow:4px 4px 4px 4px rgb(222, 245,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7367, 0.3428, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 245, 170) }
```

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

```
.background{ background-color: rgb(222,  
245, 170) }
```

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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