

Converting Colors

Yxy(83.2568, 0.3328, 0.4171)

Have a look what the booklet for
Yxy(83.2568, 0.3328, 0.4171)
contains.

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Color

Yxy(83.2648, 0.3326, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	CFF8A9
RGB	207, 248, 169
RGB Percent	81%, 97%, 66%
CMY	0.1882, 0.0274, 0.3373
CMYK	0.17, 0.00, 0.32, 0.03
HSL	91°, 85%, 82%
HSV	91°, 32%, 97%
XYZ	66.4600, 83.2648, 50.0948
YIQ	226.7350, 0.9230, -33.2610

Conversions

Conversions Part 2

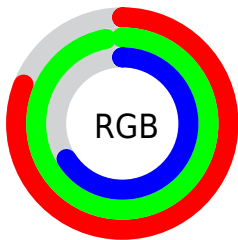
Format	Color
RYB	169, 248, 210
Decimal	13629609
CIELab	93.13, -26.60, 33.76
CIELCh	93, 42.978, 128.236
Yxy	83.2648, 0.3326, 0.4167
Android (android.graphics.Color)	4291819689 (0xFFCFF8A9)
YUV	226.7350, -28.4634, -17.3076
Hunter-Lab	91.2495, -29.6794, 31.3253

Details

The Yxy color **83.2648, 0.3326, 0.4167** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.8462, 0.2860, 0.2421**, and the grayscale version is **76.8248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **45.1980, 0.3361, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **80.6451, 0.3377, 0.4471**, and if you desaturate by 10%, it is **86.2195, 0.3267, 0.3872**.

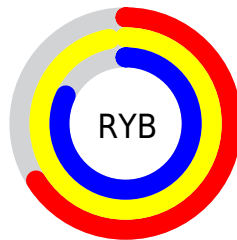
Distribution



Red (81%)

Green (97%)

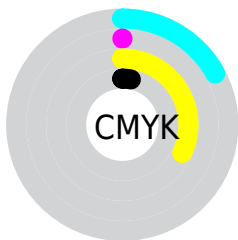
Blue (66%)



Red (66%)

Yellow (97%)

Blue (82%)

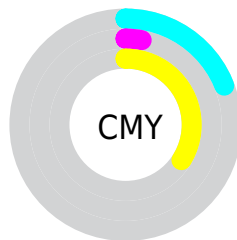


Cyan (17%)

Magenta (0%)

Yellow (32%)

Black (3%)



Cyan (19%)


Magenta (3%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2648, 0.3326, 0.4167 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 83.2648, 0.3326, 0.4167 by changing the saturation by 10% instead.


 83.2648, 0.3326,
0.4167

 83.2648, 0.3326,
0.4167

505.8686, 0.3248,
0.3755

 62.4086, 0.3340,
0.4262


 137.9463, 0.3302,
0.4023

 45.3630, 0.3356,
0.4379


172.5404, 0.3291,
0.3968

 31.7434, 0.3372,
0.4527


212.4825, 0.3282,
0.3920

 21.1656, 0.3388,
0.4719

258.1572, 0.3274,
0.3878

 13.2451, 0.3400,
0.4978

309.9487, 0.3266,
0.3842

 7.5975, 0.3394,
0.5341

368.2416, 0.3259,

 3.8385, 0.3382,

0.3810

433.4201, 0.3253,
0.3781

0.5954

1.5836, 0.3162,
0.6838

0.3465, 0.0000,
1.0000

83.2648, 0.3326,
0.4167

83.2648, 0.3326,
0.4167

80.6451, 0.3377,
0.4471

86.2195, 0.3267,
0.3872

78.3358, 0.3415,
0.4773

89.5110, 0.3204,
0.3593

76.3260, 0.3436,
0.5058

93.1549, 0.3139,
0.3335

74.5993, 0.3437,
0.5310

95.6187, 0.3130,
0.3223

■ 73.1375, 0.3416,
0.5513

■ 71.9194, 0.3374,
0.5659

■ 71.0836, 0.3328,
0.5739

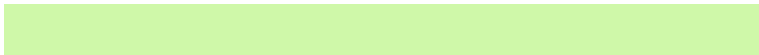
Harmonies

Analogous

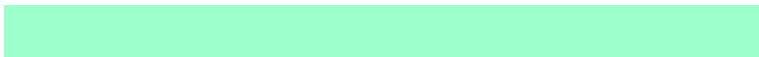
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2648, 0.3778, 0.4135



83.2648, 0.3326, 0.4167



83.2648, 0.2842, 0.3901

Triad

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



83.2648, 0.3326, 0.4167



83.2648, 0.2258, 0.2634



83.2648, 0.3830, 0.3108

Complementary

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



83.2648, 0.3326, 0.4167



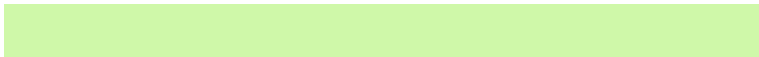
48.8462, 0.2860, 0.2421

Split Complementary

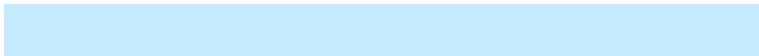
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2648, 0.3368, 0.2775



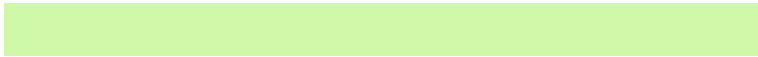
83.2648, 0.3326, 0.4167



83.2648, 0.2474, 0.2503

Square

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



83.2648, 0.3326, 0.4167



83.2648, 0.2250, 0.2959



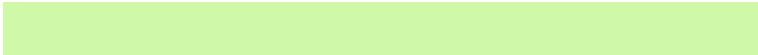
83.2648, 0.2869, 0.2559



83.2648, 0.4092, 0.3497

Rectangle

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



83.2648, 0.3326, 0.4167



83.2648, 0.2566, 0.3598



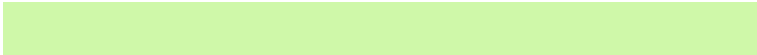
83.2648, 0.2869, 0.2559



83.2648, 0.3691, 0.2987

Sweetspot

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



83.2684, 0.3326, 0.4167



96.0415, 0.3192, 0.3544



68.8214, 0.3725, 0.3723



20.4443, 0.3201, 0.3581



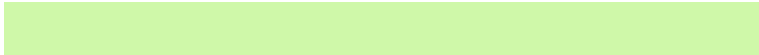
0.0000, 0.0000, 0.0000



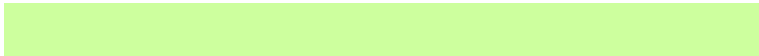
21.4041, 0.3127, 0.3290

Same Dimension

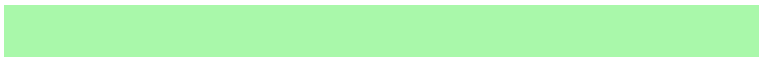
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2684, 0.3326, 0.4167



86.9317, 0.3359, 0.4355



78.4852, 0.3076, 0.4219



19.7189, 0.3189, 0.3530



38.4798, 0.3340, 0.5730



3.6266, 0.3431, 0.5658

Inverse Universe

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



48.8462, 0.2860, 0.2421



45.1726, 0.2794, 0.2237



55.0229, 0.3175, 0.2508



17.0860, 0.3061, 0.3051



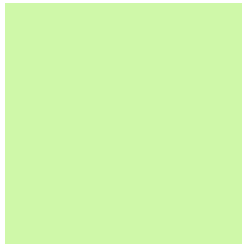
6.2527, 0.2059, 0.0908



0.6422, 0.2186, 0.0978

Previews

White Background



This preview shows how the Yxy color 83.2648, 0.3326, 0.4167 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 83.2648, 0.3326, 0.4167 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

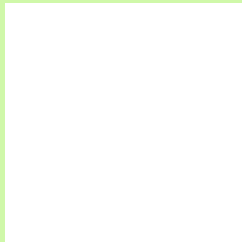
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2648, 0.3326, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 83.2648, 0.3326, 0.4167.

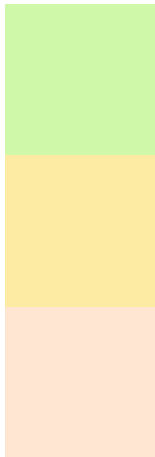


This preview shows how white text looks on a background with the Yxy color 83.2648, 0.3326, 0.4167.

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

83.2648, 0.3326, 0.4167

Protanopia

82.9437, 0.3723, 0.4019

Deuteranopia

82.5068, 0.3435, 0.3492



Tritanopia

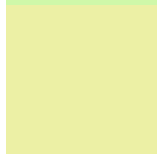
83.1605, 0.2918, 0.3105

Trichromacy



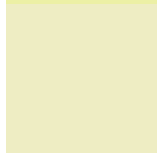
Original Color

83.2648, 0.3326, 0.4167



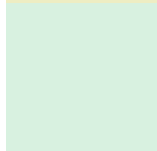
Protanomaly

82.8697, 0.3570, 0.4079



Deuteranomaly

82.6856, 0.3401, 0.3730



Tritanomaly

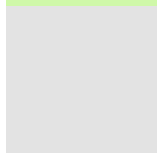
82.8913, 0.3067, 0.3471

Monochromacy



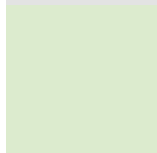
Original Color

83.2648, 0.3326, 0.4167



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.0885, 0.3207, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2648, 0.3326, 0.4167 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(207, 248, 169)` looks like.

```
.text, #text, p{  
    color:rgb(207, 248, 169)  
}
```

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(207, 248, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 248, 169) }
```

Border

The CSS property to change the border of an element to Yxy 83.2648, 0.3326, 0.4167 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(207, 248, 169) }
```

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

```
.border{ border-color:rgb(207, 248, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 248, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 248, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 248, 169);  
box-shadow:4px 4px 4px 4px rgb(207, 248,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2648, 0.3326, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 248, 169) }
```

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

```
.background{ background-color: rgb(207,  
248, 169) }
```

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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