

Converting Colors

$Yxy(83.7270, 0.3354, 0.4245)$

Have a look what the booklet for
Yxy(83.7270, 0.3354, 0.4245)
contains.

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Color

Yxy(83.6611, 0.3358, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	CFF9A3
RGB	207, 249, 163
RGB Percent	81%, 98%, 64%
CMY	0.1884, 0.0235, 0.3608
CMYK	0.17, 0.00, 0.35, 0.02
HSL	89°, 88%, 81%
HSV	89°, 35%, 98%
XYZ	66.2112, 83.6611, 47.3021
YIQ	226.6380, 2.5740, -35.6500

Conversions

Conversions Part 2

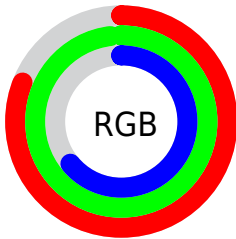
Format	Color
RYB	163, 249, 205
Decimal	13629859
CIELab	93.30, -27.90, 36.98
CIElCh	93, 46.324, 127.032
Yxy	83.6611, 0.3358, 0.4243
Android (android.graphics.Color)	4291819939 (0xFFCFF9A3)
YUV	226.6380, -31.3735, -17.2225
Hunter-Lab	91.4664, -30.8528, 33.3645

Details

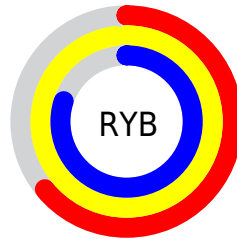
The Yxy color **83.6611, 0.3358, 0.4243** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.0144, 0.2811, 0.2336**, and the grayscale version is **76.7674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **45.4044, 0.3391, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **81.1727, 0.3411, 0.4544**, and if you desaturate by 10%, it is **86.4677, 0.3296, 0.3947**.

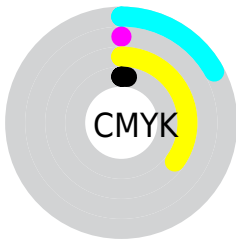
Distribution



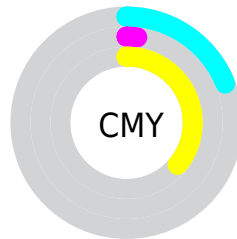
- Red (81%)
- Green (98%)
- Blue (64%)



- Red (64%)
- Yellow (98%)
- Blue (80%)



- Cyan (17%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)





- Cyan (19%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6611, 0.3358, 0.4243 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 83.6611, 0.3358, 0.4243 by changing the saturation by 10% instead.

 83.6611, 0.3358,
0.4243

 83.6611, 0.3358,
0.4243


507.1872, 0.3267,
0.3796

 62.7357, 0.3374,
0.4346

 138.5010, 0.3330,
0.4087

 45.6274, 0.3392,
0.4472


 173.1843, 0.3318,
0.4027

 31.9519, 0.3410,
0.4632


213.2223, 0.3308,
0.3975

 21.3248, 0.3427,
0.4839

258.9994, 0.3298,
0.3930

 13.3616, 0.3437,
0.5115

310.9001, 0.3289,
0.3890

 7.6780, 0.3425,
0.5496


369.3087, 0.3281,


 3.8896, 0.3438,


0.3855


0.6206


434.6096, 0.3274,
0.3824

 1.6120, 0.3084,
0.6916


 0.3657, 0.0000,
1.0000


 83.6611, 0.3358,
0.4243


 83.6611, 0.3358,
0.4243


 81.1727, 0.3411,
0.4544


 86.4677, 0.3296,
0.3947


 78.9781, 0.3450,
0.4838

 89.5939, 0.3228,
0.3665

 77.0663, 0.3470,
0.5110

 93.0551, 0.3159,
0.3402

 75.4213, 0.3469,
0.5345

 96.2399, 0.3130,
0.3233

■ 74.0247, 0.3445,
0.5530

■ 72.8544, 0.3399,
0.5657

■ 72.2957, 0.3369,
0.5707

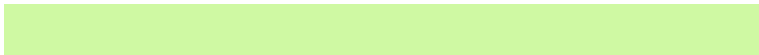
Harmonies

Analogous

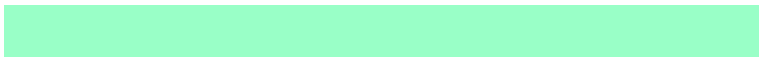
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6611, 0.3840, 0.4189



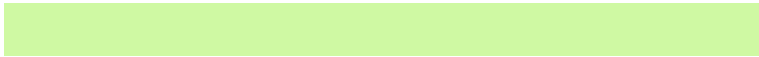
83.6611, 0.3358, 0.4243



83.6611, 0.2838, 0.3969

Triad

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



83.6611, 0.3358, 0.4243



83.6611, 0.2194, 0.2595



83.6611, 0.3867, 0.3077

Complementary

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



83.6611, 0.3358, 0.4243



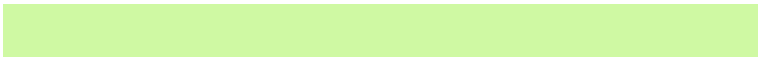
46.0144, 0.2811, 0.2336

Split Complementary

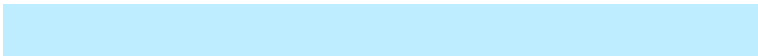
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6611, 0.3363, 0.2728



83.6611, 0.3358, 0.4243



83.6611, 0.2414, 0.2450

Square

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



83.6611, 0.3358, 0.4243



83.6611, 0.2193, 0.2949



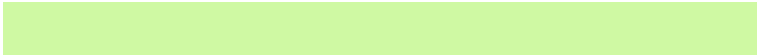
83.6611, 0.2829, 0.2504



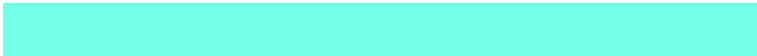
83.6611, 0.4161, 0.3490

Rectangle

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



83.6611, 0.3358, 0.4243



83.6611, 0.2540, 0.3643



83.6611, 0.2829, 0.2504



83.6611, 0.3714, 0.2950

Sweetspot

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



83.6648, 0.3358, 0.4243



96.1775, 0.3197, 0.3543



66.2421, 0.3797, 0.3731



20.4772, 0.3207, 0.3581



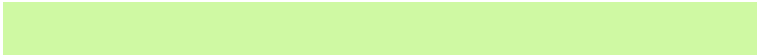
0.0000, 0.0000, 0.0000



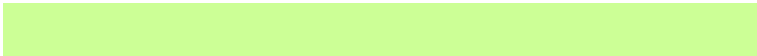
21.4041, 0.3127, 0.3290

Same Dimension

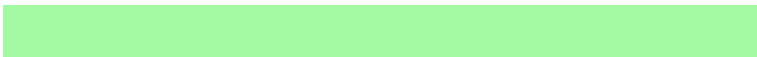
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6648, 0.3358, 0.4243



86.5600, 0.3394, 0.4439



78.3413, 0.3087, 0.4327



19.7454, 0.3193, 0.3530



38.7788, 0.3380, 0.5698



3.6547, 0.3469, 0.5627

Inverse Universe

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



46.0144, 0.2811, 0.2336



41.6702, 0.2735, 0.2139



52.9104, 0.3156, 0.2428



17.0594, 0.3056, 0.3050



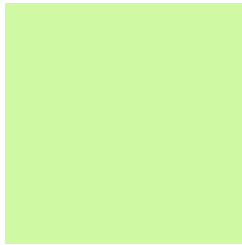
5.9481, 0.2000, 0.0875



0.6138, 0.2129, 0.0947

Previews

White Background



This preview shows how the Yxy color 83.6611, 0.3358, 0.4243 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 83.6611, 0.3358, 0.4243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

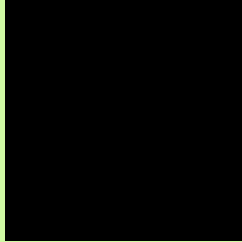
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

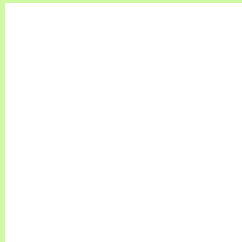
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6611, 0.3358, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 83.6611, 0.3358, 0.4243.

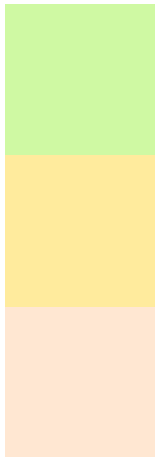


This preview shows how white text looks on a background with the Yxy color 83.6611, 0.3358, 0.4243.

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

83.6611, 0.3358, 0.4243

Protanopia

83.1110, 0.3776, 0.4074

Deuteranopia

83.0650, 0.3433, 0.3501



Tritanopia

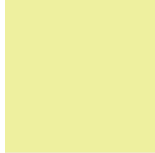
83.3180, 0.2924, 0.3105

Trichromacy



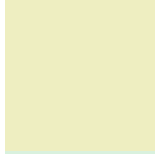
Original Color

83.6611, 0.3358, 0.4243



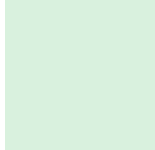
Protanomaly

83.0005, 0.3622, 0.4136



Deuteranomaly

83.1765, 0.3412, 0.3761



Tritanomaly

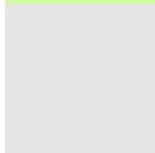
82.9362, 0.3085, 0.3493

Monochromacy



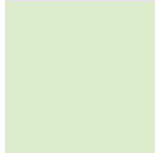
Original Color

83.6611, 0.3358, 0.4243



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.9919, 0.3220, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6611, 0.3358, 0.4243 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, 249, 163)` looks like.

```
.text, #text, p{  
    color:rgb(207, 249, 163)  
}
```

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, 249, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 249, 163) }
```

Border

The CSS property to change the border of an element to Yxy 83.6611, 0.3358, 0.4243 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, 249, 163) }
```

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

```
.border{ border-color:rgb(207, 249, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 249, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 249, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 249, 163);  
box-shadow:4px 4px 4px 4px rgb(207, 249,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6611, 0.3358, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 249, 163) }
```

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

```
.background{ background-color: rgb(207,  
249, 163) }
```

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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