

# Converting Colors

$Yxy(83.2563, 0.3378, 0.4376)$

Have a look what the booklet for  
Yxy(83.2563, 0.3378, 0.4376)  
contains.

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# Color

**Yxy(83.2277, 0.3378, 0.4373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFA99
RGB	202, 250, 153
RGB Percent	79%, 98%, 60%
CMY	0.2078, 0.0196, 0.4001
CMYK	0.19, 0.00, 0.39, 0.02
HSL	90°, 91%, 79%
HSV	90°, 39%, 98%
XYZ	64.2907, 83.2277, 42.8034
YIQ	224.5900, 2.5290, -40.3430

# Conversions

## Conversions Part 2

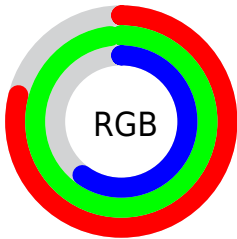
Format	Color
<a href="#">RYB</a>	<a href="#">153, 250, 201</a>
Decimal	<a href="#">13302425</a>
CIELab	<a href="#">93.11, -31.41, 41.62</a>
CIElCh	<a href="#">93, 52.141, 127.045</a>
Yxy	<a href="#">83.2277, 0.3378, 0.4373</a>
Android (android.graphics.Color)	<a href="#">4291492505</a> ( <a href="#">0xFFCAFA99</a> )
YUV	<a href="#">224.5900, -35.2939, -19.8114</a>
Hunter-Lab	<a href="#">91.2292, -33.8593, 36.0425</a>

# Details

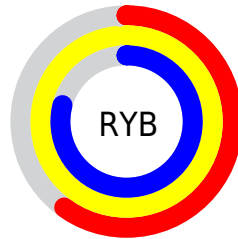
The Yxy color **83.2277, 0.3378, 0.4373** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.0946, 0.2766, 0.2208**, and the grayscale version is **75.2426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **45.1710, 0.3410, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **80.8330, 0.3424, 0.4674**, and if you desaturate by 10%, it is **85.9410, 0.3320, 0.4073**.

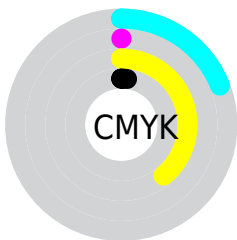
# Distribution



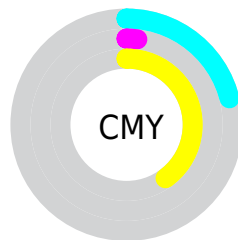
- Red (79%)
- Green (98%)
- Blue (60%)



- Red (60%)
- Yellow (98%)
- Blue (79%)



- Cyan (19%)
- Magenta (0%)
- Yellow (39%)
- Black (2%)



- Cyan (21%)
- Magenta (2%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2277, 0.3378, 0.4373 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 83.2277, 0.3378, 0.4373 by changing the saturation by 10% instead.




 83.2277, 0.3378,  
0.4373


 83.2277, 0.3378,  
0.4373

505.7451, 0.3283,  
0.3863

 62.3780, 0.3394,  
0.4490


 137.8943, 0.3350,  
0.4195

 45.3382, 0.3410,  
0.4634


 172.4801, 0.3337,  
0.4126

 31.7239, 0.3425,  
0.4815


212.4133, 0.3326,  
0.4067

 21.1507, 0.3436,  
0.5049

258.0783, 0.3316,  
0.4015

 13.2342, 0.3432,  
0.5359

309.8596, 0.3306,  
0.3970

 7.5900, 0.3393,  
0.5780

368.1416, 0.3298,


 3.8338, 0.3386,

0.3930

0.6614


433.3086, 0.3290,  
0.3895


 1.5810, 0.2794,  
0.7206

 0.3447, 0.0000,  
1.0000


 83.2277, 0.3378,  
0.4373

 83.2277, 0.3378,  
0.4373

 80.8330, 0.3424,  
0.4674


 85.9410, 0.3320,  
0.4073


 78.7320, 0.3455,  
0.4961

 88.9752, 0.3256,  
0.3784

 76.9128, 0.3465,  
0.5221

 92.3460, 0.3188,  
0.3512

 75.3580, 0.3454,  
0.5436

 96.0649, 0.3119,  
0.3261

■ 74.0477, 0.3420,  
0.5597

■ 96.8557, 0.3129,  
0.3242

■ 72.9542, 0.3367,  
0.5703

■ 72.8345, 0.3360,  
0.5714

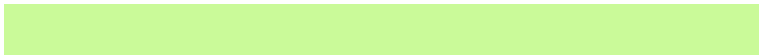
# Harmonies

## Analogous

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



83.2277, 0.3920, 0.4297



83.2277, 0.3378, 0.4373



83.2277, 0.2796, 0.4064

# Triad

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



83.2277, 0.3378, 0.4373



83.2277, 0.2089, 0.2509



83.2277, 0.3962, 0.3047

# Complementary

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



83.2277, 0.3378, 0.4373



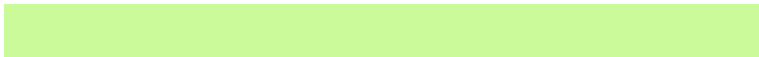
42.0946, 0.2766, 0.2208

# Split Complementary

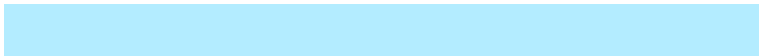
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2277, 0.3389, 0.2664



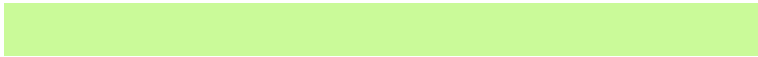
83.2277, 0.3378, 0.4373



83.2277, 0.2331, 0.2355

# Square

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



83.2277, 0.3378, 0.4373



83.2277, 0.2086, 0.2898



83.2277, 0.2789, 0.2417



83.2277, 0.4293, 0.3502



# Rectangle

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



83.2277, 0.3378, 0.4373



83.2277, 0.2465, 0.3688



83.2277, 0.2789, 0.2417



83.2277, 0.3788, 0.2908

# Sweetspot

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



83.2313, 0.3378, 0.4373



95.4242, 0.3210, 0.3597



63.8760, 0.3901, 0.3787



20.3249, 0.3219, 0.3632



0.0000, 0.0000, 0.0000

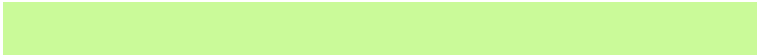


21.4041, 0.3127, 0.3290

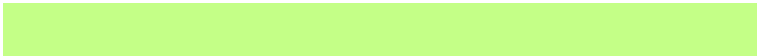


# Same Dimension

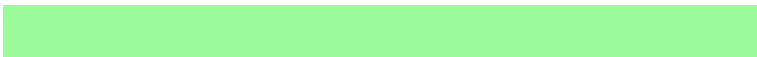
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2313, 0.3378, 0.4373



84.9689, 0.3417, 0.4621



77.6038, 0.3080, 0.4479



19.7401, 0.3192, 0.3530



38.7170, 0.3372, 0.5705



3.6489, 0.3462, 0.5634



# Inverse Universe

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



42.0946, 0.2766, 0.2208



36.1190, 0.2665, 0.1961



49.7065, 0.3159, 0.2326



17.0647, 0.3057, 0.3050



6.0075, 0.2012, 0.0882

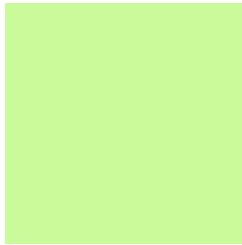


0.6194, 0.2141, 0.0953



# Previews

## White Background



This preview shows how the Yxy color 83.2277, 0.3378, 0.4373 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 83.2277, 0.3378, 0.4373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

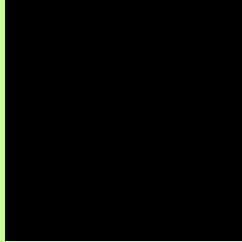
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.2277, 0.3378, 0.4373**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2277, 0.3378, 0.4373.

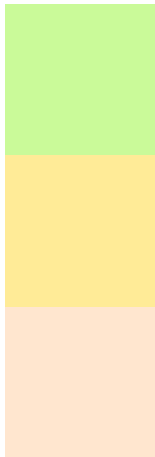


This preview shows how white text looks on a background with the Yxy color 83.2277, 0.3378, 0.4373.

# 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

83.2277, 0.3378, 0.4373

### Protanopia

82.9110, 0.3813, 0.4131

### Deuteranopia

82.3586, 0.3456, 0.3522



## Tritanopia

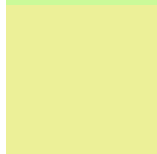
82.6938, 0.2899, 0.3104

# Trichromacy



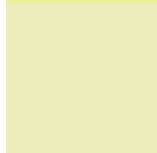
## Original Color

83.2277, 0.3378, 0.4373



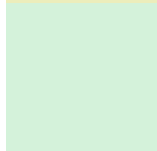
## Protanomaly

82.4200, 0.3650, 0.4212



## Deuteranomaly

81.9891, 0.3438, 0.3817



## Tritanomaly

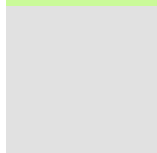
82.5633, 0.3076, 0.3549

# Monochromacy



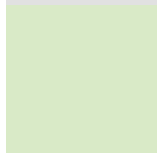
## Original Color

83.2277, 0.3378, 0.4373



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.7209, 0.3232, 0.3675

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2277, 0.3378, 0.4373 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(202, 250, 153)` looks like.

```
.text, #text, p{  
    color:rgb(202, 250, 153)  
}
```

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(202, 250, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 250, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2277, 0.3378, 0.4373 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(202, 250, 153) }
```

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

```
.border{ border-color:rgb(202, 250, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 250, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 250, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 250, 153);  
box-shadow:4px 4px 4px 4px rgb(202, 250,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2277, 0.3378, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 250, 153) }
```

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

```
.background{ background-color: rgb(202,  
250, 153) }
```

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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