

# Converting Colors

$Yxy(82.3406, 0.3265, 0.4252)$

Have a look what the booklet for  
Yxy(82.3406, 0.3265, 0.4252)  
contains.

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# Color

**Yxy(82.6899, 0.3266, 0.4254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FAA5
RGB	195, 250, 165
RGB Percent	76%, 98%, 65%
CMY	0.2352, 0.0196, 0.3530
CMYK	0.22, 0.00, 0.34, 0.02
HSL	99°, 89%, 81%
HSV	99°, 34%, 98%
XYZ	63.4850, 82.6899, 48.2066
YIQ	223.8650, -5.4950, -38.0950

# Conversions

## Conversions Part 2

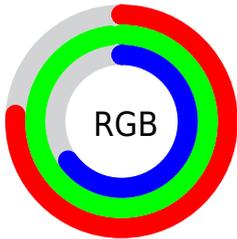
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 250, 220
Decimal	12843685
CIELab	92.88, -32.24, 35.29
CIELCh	93, 47.797, 132.413
Yxy	82.6899, 0.3266, 0.4254
Android (android.graphics.Color)	4291033765 (0xFFC3FAA5)
YUV	223.8650, -29.0204, -25.3146
Hunter-Lab	90.9340, -34.5158, 32.2225

# Details

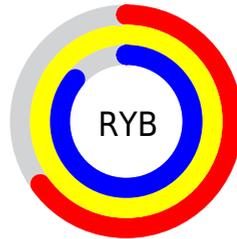
The Yxy color **82.6899, 0.3266, 0.4254** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.0215, 0.2924, 0.2380**, and the grayscale version is **74.6574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6231, 0.3314, 0.3623**, and **44.8852, 0.3282, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **79.8314, 0.3294, 0.4575**, and if you desaturate by 10%, it is **85.9667, 0.3230, 0.3944**.

# Distribution



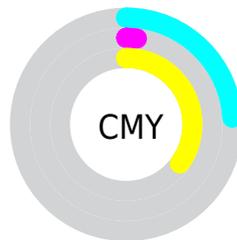
- Red (76%)
- Green (98%)
- Blue (65%)



- Red (65%)
- Yellow (98%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)



- Cyan (24%)
- Magenta (2%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6899, 0.3266, 0.4254 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 82.6899, 0.3266, 0.4254 by changing the saturation by 10% instead.

 82.6899, 0.3266,  
0.4254

 82.6899, 0.3266,  
0.4254

503.9525, 0.3217,  
0.3798

 61.9344, 0.3273,  
0.4360

 137.1411, 0.3252,  
0.4094

 44.9797, 0.3279,  
0.4491

 171.6055, 0.3246,  
0.4032

 31.4414, 0.3283,  
0.4657

211.4083, 0.3240,  
0.3979

 20.9352, 0.3282,  
0.4875

256.9339, 0.3235,  
0.3933

 13.0766, 0.3268,  
0.5169

308.5668, 0.3230,  
0.3893

 7.4813, 0.3224,  
0.5582

366.6912, 0.3225,

 3.7649, 0.3173,

0.3857

0.6338

431.6916, 0.3221,  
0.3826

 1.5429, 0.2691,  
0.7309

 0.3187, 0.0000,  
1.0000

 82.6899, 0.3266,  
0.4254

 82.6899, 0.3266,  
0.4254

 79.8314, 0.3294,  
0.4575

 85.9667, 0.3230,  
0.3944

 77.3628, 0.3310,  
0.4894

 89.6678, 0.3189,  
0.3654

 75.2683, 0.3311,  
0.5194

 93.8124, 0.3145,  
0.3389

 73.5268, 0.3294,  
0.5455

 96.8529, 0.3129,  
0.3242

■ 72.1145, 0.3260,  
0.5661

■ 71.0037, 0.3212,  
0.5801

■ 70.4622, 0.3179,  
0.5858

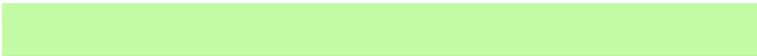
# Harmonies

## Analogous

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



82.6899, 0.3783, 0.4253



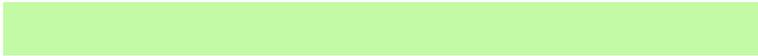
82.6899, 0.3266, 0.4254



82.6899, 0.2737, 0.3912

# Triad

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



82.6899, 0.3266, 0.4254



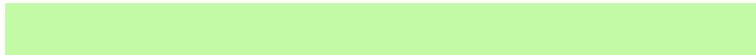
82.6899, 0.2188, 0.2528



82.6899, 0.3969, 0.3142

# Complementary

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



82.6899, 0.3266, 0.4254



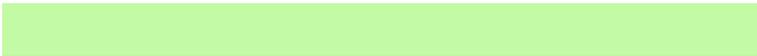
49.0215, 0.2924, 0.2380

# 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.



82.6899, 0.3472, 0.2766



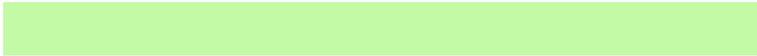
82.6899, 0.3266, 0.4254



82.6899, 0.2453, 0.2419

# Square

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



82.6899, 0.3266, 0.4254



82.6899, 0.2146, 0.2854



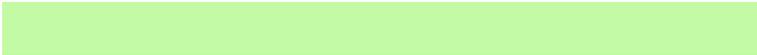
82.6899, 0.2911, 0.2509



82.6899, 0.4219, 0.3571

# Rectangle

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



82.6899, 0.3266, 0.4254



82.6899, 0.2449, 0.3555



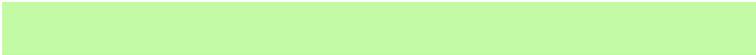
82.6899, 0.2911, 0.2509



82.6899, 0.3823, 0.3007

# Sweetspot

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



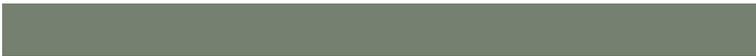
82.6935, 0.3266, 0.4254



95.4700, 0.3171, 0.3545



73.6161, 0.3741, 0.3851



20.3064, 0.3177, 0.3583



0.0000, 0.0000, 0.0000

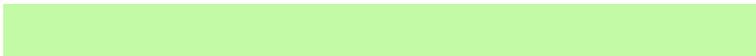


21.4041, 0.3127, 0.3290

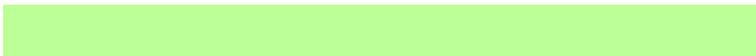


# Same Dimension

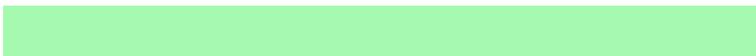
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6935, 0.3266, 0.4254



84.3488, 0.3287, 0.4480



79.5188, 0.3020, 0.4171



19.6074, 0.3169, 0.3531



37.4471, 0.3190, 0.5849



3.5251, 0.3281, 0.5777



# Inverse Universe

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



49.0215, 0.2924, 0.2380



44.0934, 0.2868, 0.2182



53.4440, 0.3258, 0.2545



17.2000, 0.3081, 0.3052



7.8025, 0.2336, 0.1061



0.7819, 0.2441, 0.1118



# Previews

## White Background



This preview shows how the Yxy color 82.6899, 0.3266, 0.4254 looks on a white background.

## Color Contrast Check

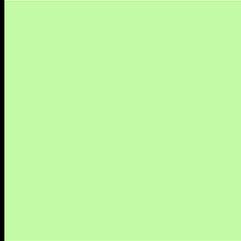
Large Text (above 18pt) WCAG AA × Fail

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 82.6899, 0.3266, 0.4254 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

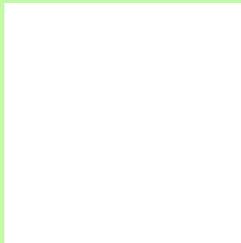
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.6899, 0.3266, 0.4254**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.6899, 0.3266, 0.4254.



This preview shows how white text looks on a background with the Yxy color 82.6899, 0.3266, 0.4254.

# 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

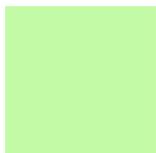




## Tritanopia

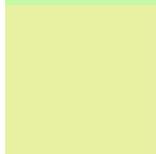
82.3661, 0.2863, 0.3112

# Trichromacy



## Original Color

82.6899, 0.3266, 0.4254



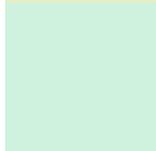
## Protanomaly

82.0492, 0.3566, 0.4128



## Deuteranomaly

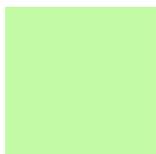
81.6978, 0.3385, 0.3767



## Tritanomaly

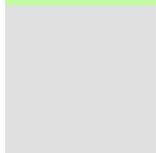
81.9000, 0.3015, 0.3508

# Monochromacy



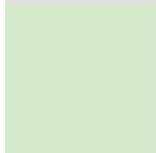
## Original Color

82.6899, 0.3266, 0.4254



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

76.7358, 0.3179, 0.3622

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6899, 0.3266, 0.4254 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(195, 250, 165)` looks like.

```
.text, #text, p{  
    color:rgb(195, 250, 165)  
}
```

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(195, 250, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 250, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6899, 0.3266, 0.4254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

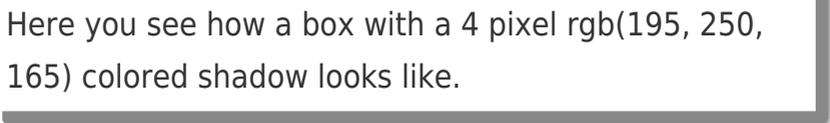
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 250, 165) }
```

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

```
.border{ border-color:rgb(195, 250, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 250, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 250, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 250, 165); box-shadow:4px 4px 4px 4px rgb(195, 250, 165) }
```

# Background

The CSS property to change the background color of an element to Yxy 82.6899, 0.3266, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 250, 165) }
```

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

```
.background{ background-color: rgb(195,  
250, 165) }
```

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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