

# Converting Colors

$Y_{xy}(151.4050, 0.3087, 0.4761)$

Have a look what the booklet for  
Yxy(151.4050, 0.3087, 0.4761)  
contains.

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# Color

**Yxy(85.8445, 0.3136, 0.4114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEFFB6
RGB	190, 255, 182
RGB Percent	75%, 100%, 71%
CMY	0.2549, 0.0000, 0.2862
CMYK	0.25, 0.00, 0.29, 0.00
HSL	113°, 100%, 86%
HSV	113°, 29%, 100%
XYZ	65.4371, 85.8445, 57.3827
YIQ	227.2430, -15.3070, -36.4830

# Conversions

## Conversions Part 2

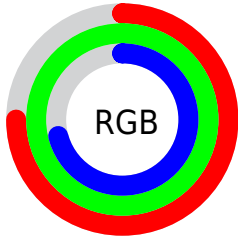
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 255, 247
Decimal	12517302
CIE <sub>Lab</sub>	94.25, -33.70, 28.53
CIE <sub>LCh</sub>	94, 44.152, 139.746
Yxy	85.8445, 0.3136, 0.4114
Android (android.graphics.Color)	4290707382 (0xFFBEFFB6)
YUV	227.2430, -22.3048, -32.6621
Hunter-Lab	92.6523, -36.0731, 28.1363

# Details

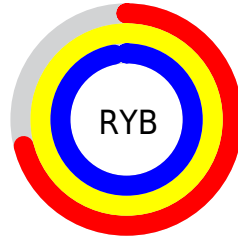
The Yxy color **85.8445, 0.3136, 0.4114** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.4602, 0.3099, 0.2562**, and the grayscale version is **77.1734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4672, 0.3176, 0.3456**, and **47.1240, 0.3123, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **82.1831, 0.3133, 0.4455**, and if you desaturate by 10%, it is **90.1517, 0.3135, 0.3797**.

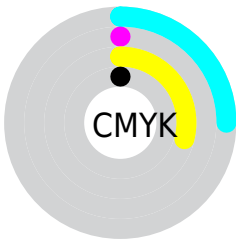
# Distribution



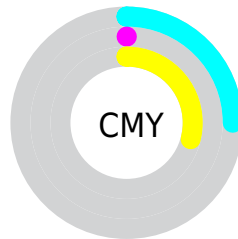
- Red (75%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (97%)



- Cyan (25%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8445, 0.3136, 0.4114 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 85.8445, 0.3136, 0.4114 by changing the saturation by 10% instead.




 85.8445, 0.3136,  
0.4114

 85.8445, 0.3136,  
0.4114


514.4183, 0.3142,  
0.3726

 64.5394, 0.3132,  
0.4204


 141.5525, 0.3140,  
0.3978

 47.0877, 0.3125,  
0.4315


176.7241, 0.3141,  
0.3926

 33.1050, 0.3115,  
0.4457


217.2868, 0.3142,  
0.3881

 22.2069, 0.3098,  
0.4644

263.6248, 0.3142,  
0.3841

 14.0090, 0.3068,  
0.4897

316.1225, 0.3143,  
0.3807

 8.1269, 0.3011,  
0.5261


375.1644, 0.3143,


 4.1763, 0.2892,

0.3777


0.5816


441.1349, 0.3143,  
0.3750


 1.7726, 0.2762,  
0.7238


 0.4700, 0.0000,  
1.0000


 85.8445, 0.3136,  
0.4114

 85.8445, 0.3136,  
0.4114

 82.1831, 0.3133,  
0.4455


 90.1517, 0.3135,  
0.3797


 79.1389, 0.3126,  
0.4807


 95.1370, 0.3132,  
0.3511


 76.6769, 0.3113,  
0.5150


100.0000, 0.3127,  
0.3290

 74.7595, 0.3094,  
0.5460

 73.3449, 0.3072,  
0.5711

 72.3849, 0.3047,  
0.5883

 71.8189, 0.3023,  
0.5974

 71.7649, 0.3021,  
0.5983

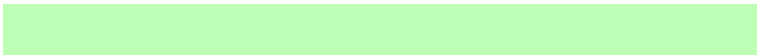
# Harmonies

## Analogous

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



85.8445, 0.3624, 0.4196



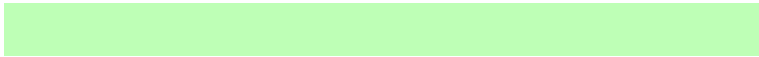
85.8445, 0.3136, 0.4114



85.8445, 0.2668, 0.3742

# Triad

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



85.8445, 0.3136, 0.4114



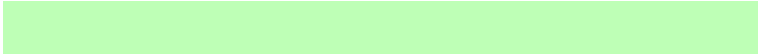
85.8445, 0.2304, 0.2549



85.8445, 0.3976, 0.3253

# Complementary

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



85.8445, 0.3136, 0.4114



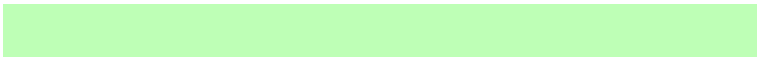
60.4602, 0.3099, 0.2562

# 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.



85.8445, 0.3566, 0.2886



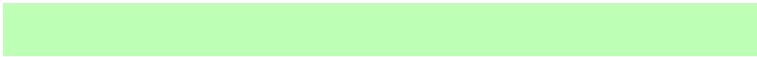
85.8445, 0.3136, 0.4114



85.8445, 0.2598, 0.2492

# Square

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



85.8445, 0.3136, 0.4114



85.8445, 0.2214, 0.2804



85.8445, 0.3053, 0.2615

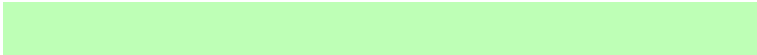


85.8445, 0.4134, 0.3652



# Rectangle

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



85.8445, 0.3136, 0.4114



85.8445, 0.2428, 0.3407



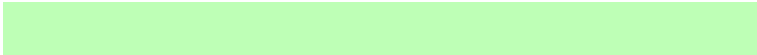
85.8445, 0.3053, 0.2615



85.8445, 0.3861, 0.3123

# Sweetspot

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



85.8435, 0.3136, 0.4114



94.9360, 0.3132, 0.3521



90.8449, 0.3583, 0.3932



20.1565, 0.3133, 0.3561



0.0000, 0.0000, 0.0000

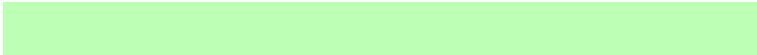


21.4041, 0.3127, 0.3290

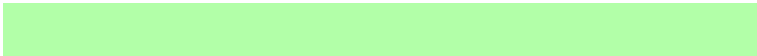


# Same Dimension

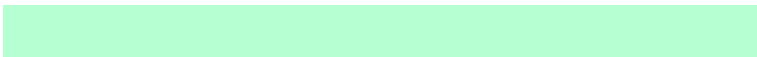
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8435, 0.3136, 0.4114



83.7965, 0.3135, 0.4295



86.1194, 0.2939, 0.3796



20.2631, 0.3132, 0.3535



37.5290, 0.3026, 0.5979



3.6836, 0.3075, 0.5941



# Inverse Universe

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



60.4602, 0.3099, 0.2562



54.8436, 0.3091, 0.2424



60.2687, 0.3378, 0.2834



18.1937, 0.3120, 0.3055



12.3582, 0.2935, 0.1390

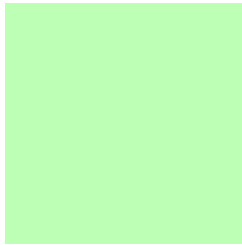


1.2309, 0.2968, 0.1409



# Previews

## White Background



This preview shows how the Yxy color 85.8445, 0.3136, 0.4114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

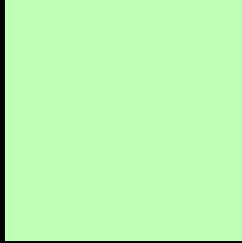
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8445, 0.3136, 0.4114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

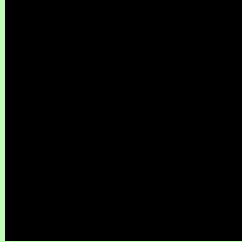
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

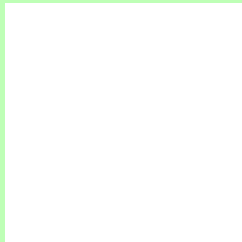
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.8445, 0.3136, 0.4114**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8445, 0.3136, 0.4114.

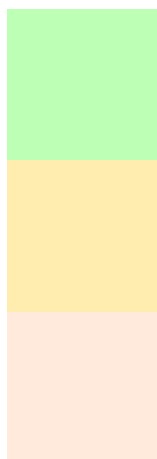


This preview shows how white text looks on a background with the Yxy color 85.8445, 0.3136, 0.4114.

# 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

85.8445, 0.3136, 0.4114

### Protanopia

84.9235, 0.3653, 0.3914

### Deuteranopia

85.2201, 0.3368, 0.3440



## Tritanopia

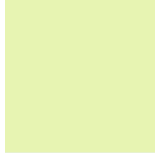
85.4760, 0.2895, 0.3156

# Trichromacy



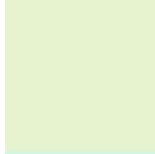
## Original Color

85.8445, 0.3136, 0.4114



## Protanomaly

84.9046, 0.3445, 0.3988



## Deuteranomaly

84.9494, 0.3275, 0.3668



## Tritanomaly

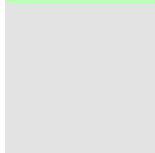
85.3884, 0.2987, 0.3494

# Monochromacy



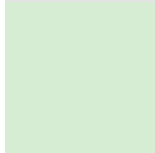
## Original Color

85.8445, 0.3136, 0.4114



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.5677, 0.3134, 0.3574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8445, 0.3136, 0.4114 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(190, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 182)  
}
```

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(190, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8445, 0.3136, 0.4114 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(190, 255, 182) }
```

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

```
.border{ border-color:rgb(190, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8445, 0.3136, 0.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 182) }
```

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

```
.background{ background-color: rgb(190,  
255, 182) }
```

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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