

# Converting Colors

Yxy(85.9527, 0.3142, 0.4114)

Have a look what the booklet for  
Yxy(85.9527, 0.3142, 0.4114)  
contains.

<b>Yxy(85.9738, 0.3142, 0.4113)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(85.9738, 0.3142, 0.4113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFFF6
RGB	191, 255, 182
RGB Percent	75%, 100%, 71%
CMY	0.2512, 0.0000, 0.2863
CMYK	0.25, 0.00, 0.29, 0.00
HSL	113°, 100%, 86%
HSV	113°, 29%, 100%
XYZ	65.6770, 85.9738, 57.3786
YIQ	227.5420, -14.7110, -36.2710

# Conversions

## Conversions Part 2

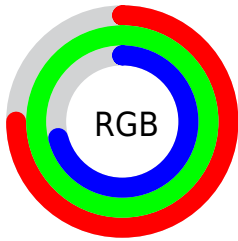
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 255, 246
Decimal	12582838
CIELab	94.30, -33.40, 28.63
CIELCh	94, 43.988, 139.394
Yxy	85.9738, 0.3142, 0.4113
Android (android.graphics.Color)	4290772918 (0xFFBFFF6)
YUV	227.5420, -22.4522, -32.0473
Hunter-Lab	92.7221, -35.8282, 28.2154

# Details

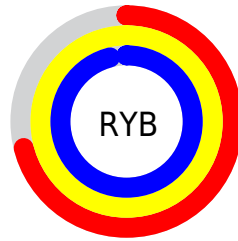
The Yxy color **85.9738, 0.3142, 0.4113** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.2690, 0.3091, 0.2560**, and the grayscale version is **77.3910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6495, 0.3182, 0.3456**, and **47.2074, 0.3131, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **82.3245, 0.3141, 0.4453**, and if you desaturate by 10%, it is **90.2418, 0.3139, 0.3797**.

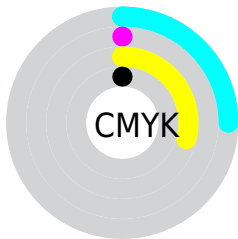
# Distribution



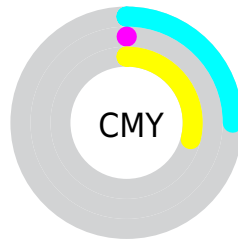
- Red (75%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (96%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9738, 0.3142, 0.4113 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 85.9738, 0.3142, 0.4113 by changing the saturation by 10% instead.





 85.9738, 0.3142,  
0.4113

 85.9738, 0.3142,  
0.4113

514.8448, 0.3146,  
0.3725

 64.6463, 0.3139,  
0.4203


 141.7329, 0.3145,  
0.3977

 47.1743, 0.3133,  
0.4314

176.9334, 0.3146,  
0.3925

 33.1735, 0.3123,  
0.4455


217.5269, 0.3146,  
0.3880

 22.2594, 0.3107,  
0.4641

263.8979, 0.3147,  
0.3841

 14.0476, 0.3079,  
0.4894

316.4308, 0.3146,  
0.3807

 8.1538, 0.3024,  
0.5256

375.5100, 0.3146,

 4.1935, 0.2909,

0.3776

0.5807

441.5199, 0.3146,  
0.3750

■ 1.7824, 0.2790,  
0.7210

■ 0.4762, 0.0000,  
1.0000

■ 85.9738, 0.3142,  
0.4113

■ 85.9738, 0.3142,  
0.4113

■ 82.3245, 0.3141,  
0.4453

■ 90.2418, 0.3139,  
0.3797

■ 79.2878, 0.3135,  
0.4803

■ 95.1812, 0.3134,  
0.3511

■ 76.8224, 0.3123,  
0.5145

100.0000, 0.3127,  
0.3290

■ 74.8923, 0.3104,  
0.5454

■ 73.4570, 0.3081,  
0.5705

■ 72.4703, 0.3054,  
0.5878

■ 71.8737, 0.3028,  
0.5971

■ 71.8159, 0.3025,  
0.5980

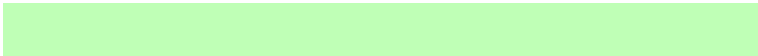
# Harmonies

## Analogous

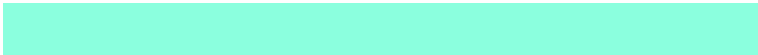
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9738, 0.3628, 0.4191



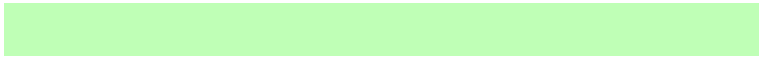
85.9738, 0.3142, 0.4113



85.9738, 0.2675, 0.3746

# Triad

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



85.9738, 0.3142, 0.4113



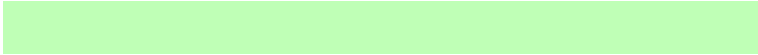
85.9738, 0.2305, 0.2554



85.9738, 0.3969, 0.3248

# Complementary

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



85.9738, 0.3142, 0.4113



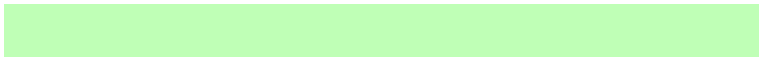
60.2690, 0.3091, 0.2560

# 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.



85.9738, 0.3558, 0.2884



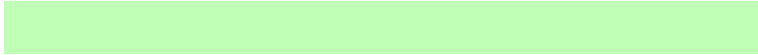
85.9738, 0.3142, 0.4113



85.9738, 0.2596, 0.2494

# Square

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



85.9738, 0.3142, 0.4113



85.9738, 0.2217, 0.2811



85.9738, 0.3047, 0.2615

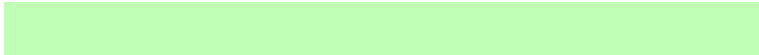


85.9738, 0.4130, 0.3646



# Rectangle

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



85.9738, 0.3142, 0.4113



85.9738, 0.2434, 0.3413



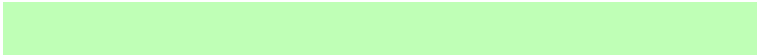
85.9738, 0.3047, 0.2615



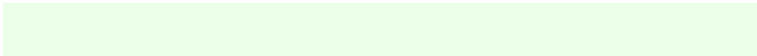
85.9738, 0.3854, 0.3120

# Sweetspot

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



85.9658, 0.3142, 0.4113



94.9885, 0.3134, 0.3521



90.1016, 0.3586, 0.3921



20.1694, 0.3135, 0.3561



0.0000, 0.0000, 0.0000

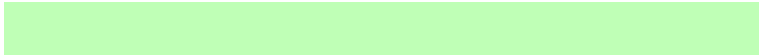


21.4041, 0.3127, 0.3290

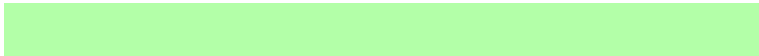


# Same Dimension

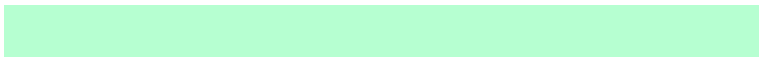
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9658, 0.3142, 0.4113



83.9349, 0.3142, 0.4293



86.0544, 0.2946, 0.3810



20.2749, 0.3134, 0.3534



37.5585, 0.3031, 0.5976



3.6891, 0.3084, 0.5934



# Inverse Universe

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



60.2690, 0.3091, 0.2560



54.6338, 0.3082, 0.2421



60.3230, 0.3369, 0.2822



18.1806, 0.3118, 0.3054



12.0733, 0.2901, 0.1372

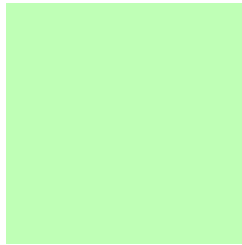


1.2060, 0.2938, 0.1392



# Previews

## White Background



This preview shows how the Yxy color 85.9738, 0.3142, 0.4113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

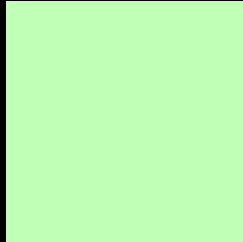
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9738, 0.3142, 0.4113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

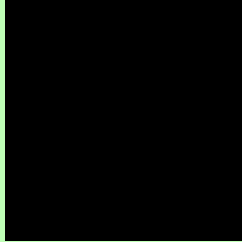
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

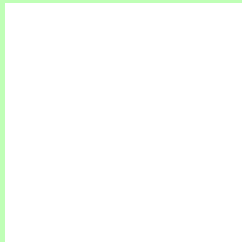
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9738, 0.3142, 0.4113**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9738, 0.3142, 0.4113.

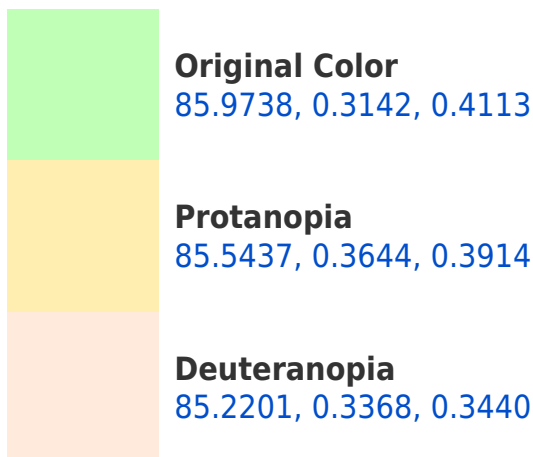


This preview shows how white text looks on a background with the Yxy color 85.9738, 0.3142, 0.4113.

# 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

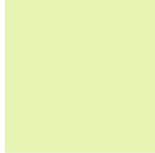
85.4760, 0.2895, 0.3156

# Trichromacy



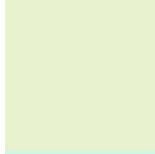
## Original Color

85.9738, 0.3142, 0.4113



## Protanomaly

85.0715, 0.3452, 0.3987



## Deuteranomaly

85.1163, 0.3282, 0.3667



## Tritanomaly

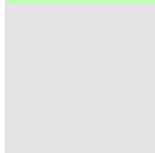
85.5329, 0.2993, 0.3493

# Monochromacy



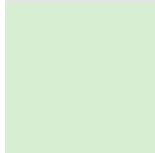
## Original Color

85.9738, 0.3142, 0.4113



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.2993, 0.3140, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9738, 0.3142, 0.4113 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(191, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9738, 0.3142, 0.4113 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(191, 255, 182) }
```

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

```
.border{ border-color:rgb(191, 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(191, 255, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9738, 0.3142, 0.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 182) }
```

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

```
.background{ background-color: rgb(191,  
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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