

# Converting Colors

$Yxy(84.7991, 0.3209, 0.4125)$

Have a look what the booklet for  
Yxy(84.7991, 0.3209, 0.4125)  
contains.

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# Color

**Yxy(84.7055, 0.3204, 0.4120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FCB2
RGB	197, 252, 178
RGB Percent	77%, 99%, 70%
CMY	0.2275, 0.0117, 0.3018
CMYK	0.22, 0.00, 0.29, 0.01
HSL	105°, 93%, 84%
HSV	105°, 29%, 99%
XYZ	65.8729, 84.7055, 55.0175
YIQ	227.1190, -9.0260, -34.6740

# Conversions

## Conversions Part 2

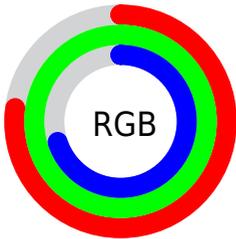
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 252, 233
Decimal	12975282
CIELab	93.76, -30.61, 29.94
CIElCh	94, 42.814, 135.635
Yxy	84.7055, 0.3204, 0.4120
Android (android.graphics.Color)	4291165362 (0xFFC5FCB2)
YUV	227.1190, -24.2157, -26.4144
Hunter-Lab	92.0356, -33.3039, 28.9823

# Details

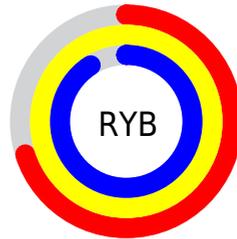
The Yxy color **84.7055, 0.3204, 0.4120** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.2189, 0.3013, 0.2524**, and the grayscale version is **77.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **46.2617, 0.3208, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **81.4128, 0.3221, 0.4448**, and if you desaturate by 10%, it is **88.5060, 0.3181, 0.3812**.

# Distribution



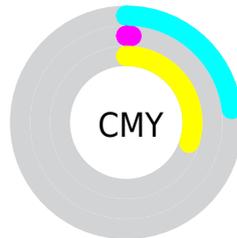
- Red (77%)
- Green (99%)
- Blue (70%)



- Red (70%)
- Yellow (99%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)



- Cyan (23%)
- Magenta (1%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7055, 0.3204, 0.4120 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 84.7055, 0.3204, 0.4120 by changing the saturation by 10% instead.

 84.7055, 0.3204,  
0.4120

 84.7055, 0.3204,  
0.4120

510.6531, 0.3180,  
0.3729

 63.5981, 0.3207,  
0.4210

 139.9616, 0.3198,  
0.3983

 46.3252, 0.3208,  
0.4322

174.8791, 0.3195,  
0.3931

 32.5025, 0.3208,  
0.4465

215.1688, 0.3192,  
0.3885

 21.7456, 0.3203,  
0.4651

261.2150, 0.3189,  
0.3846

 13.6701, 0.3189,  
0.4904

313.4021, 0.3187,  
0.3811

 7.8916, 0.3153,  
0.5265

372.1146, 0.3184,

 4.0257, 0.3066,

0.3781

0.5820

437.7368, 0.3182,  
0.3754

 1.6879, 0.2932,  
0.7068

 0.4158, 0.0000,  
1.0000

 84.7055, 0.3204,  
0.4120

 84.7055, 0.3204,  
0.4120

 81.4128, 0.3221,  
0.4448

 88.5060, 0.3181,  
0.3812

 78.5955, 0.3230,  
0.4782

 92.8239, 0.3154,  
0.3529

 76.2336, 0.3227,  
0.5107

 97.6818, 0.3125,  
0.3274

 74.3018, 0.3212,  
0.5401

 98.1044, 0.3128,  
0.3262

■ 72.7719, 0.3184,  
0.5643

■ 71.6117, 0.3144,  
0.5816

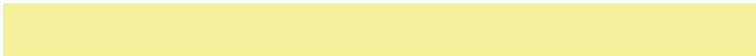
■ 70.7784, 0.3098,  
0.5919

■ 70.7332, 0.3096,  
0.5924

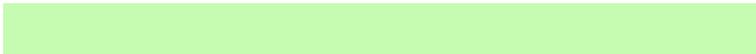
# Harmonies

## Analogous

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



84.7055, 0.3672, 0.4161



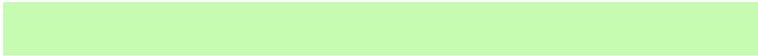
84.7055, 0.3204, 0.4120



84.7055, 0.2737, 0.3792

# Triad

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



84.7055, 0.3204, 0.4120



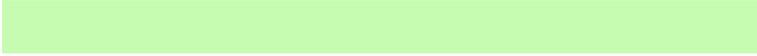
84.7055, 0.2300, 0.2590



84.7055, 0.3911, 0.3202

# Complementary

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



84.7055, 0.3204, 0.4120



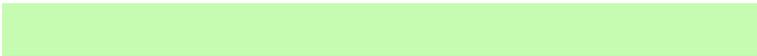
56.2189, 0.3013, 0.2524

# 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.



84.7055, 0.3489, 0.2853



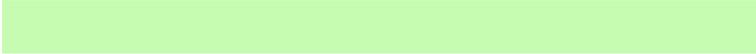
84.7055, 0.3204, 0.4120



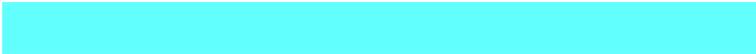
84.7055, 0.2562, 0.2507

# Square

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



84.7055, 0.3204, 0.4120



84.7055, 0.2239, 0.2867



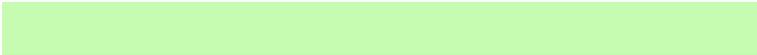
84.7055, 0.2988, 0.2605



84.7055, 0.4104, 0.3592

# Rectangle

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



84.7055, 0.3204, 0.4120



84.7055, 0.2487, 0.3473



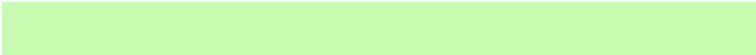
84.7055, 0.2988, 0.2605



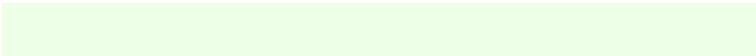
84.7055, 0.3789, 0.3078

# Sweetspot

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



84.7091, 0.3204, 0.4120



95.5139, 0.3153, 0.3519



81.7844, 0.3625, 0.3844



20.2978, 0.3157, 0.3559



0.0000, 0.0000, 0.0000

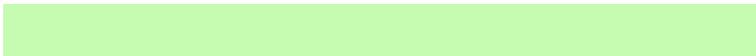


21.4041, 0.3127, 0.3290

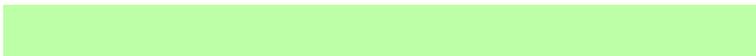


# Same Dimension

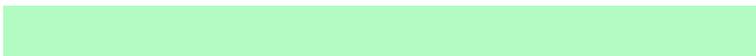
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7091, 0.3204, 0.4120



85.0335, 0.3215, 0.4304



83.0478, 0.2994, 0.3943



19.5241, 0.3154, 0.3532



36.9029, 0.3105, 0.5916



3.4662, 0.3187, 0.5852



# Inverse Universe

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



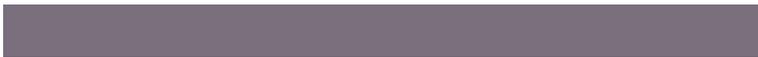
56.2189, 0.3013, 0.2524



51.5803, 0.2984, 0.2370



58.5370, 0.3296, 0.2716



17.2877, 0.3097, 0.3053



9.2679, 0.2568, 0.1188

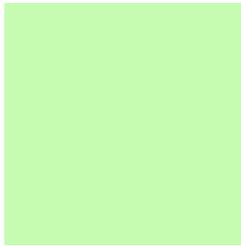


0.9089, 0.2647, 0.1232



# Previews

## White Background



This preview shows how the Yxy color 84.7055, 0.3204, 0.4120 looks on a white background.

## Color Contrast Check

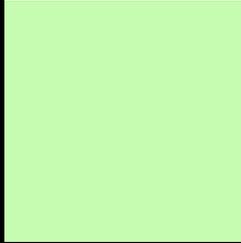
Large Text (above 18pt) WCAG AA × Fail

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 84.7055, 0.3204, 0.4120 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

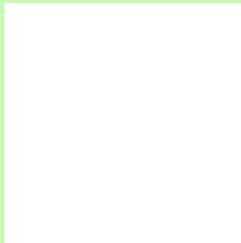
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7055, 0.3204, 0.4120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7055, 0.3204, 0.4120.

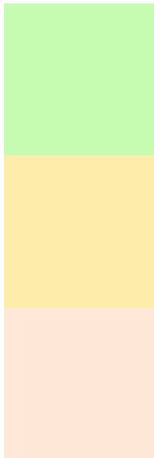


This preview shows how white text looks on a background with the Yxy color 84.7055, 0.3204, 0.4120.

# 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

84.7055, 0.3204, 0.4120

### Protanopia

84.0020, 0.3675, 0.3947

### Deuteranopia

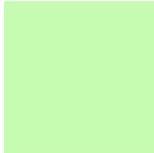
83.8795, 0.3398, 0.3461



## Tritanopia

84.2919, 0.2894, 0.3135

# Trichromacy



## Original Color

84.7055, 0.3204, 0.4120



## Protanomaly

83.8839, 0.3488, 0.4008



## Deuteranomaly

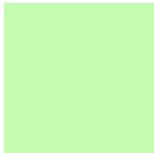
83.4897, 0.3325, 0.3679



## Tritanomaly

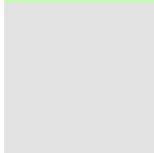
83.9491, 0.3011, 0.3472

# Monochromacy



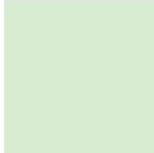
## Original Color

84.7055, 0.3204, 0.4120



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.1933, 0.3160, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7055, 0.3204, 0.4120 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(197, 252, 178)` looks like.

```
.text, #text, p{  
    color:rgb(197, 252, 178)  
}
```

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(197, 252, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 252, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7055, 0.3204, 0.4120 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(197, 252, 178) }
```

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

```
.border{ border-color:rgb(197, 252, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 252, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 252, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 252, 178);  
box-shadow:4px 4px 4px 4px rgb(197, 252,  
178) }
```

# Background

The CSS property to change the background color of an element to Yxy 84.7055, 0.3204, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 252, 178) }
```

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

```
.background{ background-color: rgb(197,  
252, 178) }
```

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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