

# Converting Colors

Yxy(84.4428, 0.3112, 0.3623)

Have a look what the booklet for  
Yxy(84.4428, 0.3112, 0.3623)  
contains.

<b>Yxy(84.4560, 0.3112, 0.3624)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.4560, 0.3112, 0.3624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F5D6
RGB	214, 245, 214
RGB Percent	84%, 96%, 84%
CMY	0.1606, 0.0392, 0.1610
CMYK	0.13, 0.00, 0.13, 0.04
HSL	120°, 61%, 90%
HSV	120°, 13%, 96%
XYZ	72.5240, 84.4560, 76.0663
YIQ	232.1970, -8.5250, -16.2130

# Conversions

## Conversions Part 2

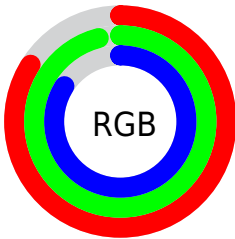
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 245, 245
Decimal	14087638
CIE <sub>Lab</sub>	93.65, -15.73, 11.59
CIE <sub>LCh</sub>	94, 19.532, 143.618
Y <sub>xy</sub>	84.4560, 0.3112, 0.3624
Android (android.graphics.Color)	4292277718 (0xFFD6F5D6)
YUV	232.1970, -8.9711, -15.9588
Hunter-Lab	91.8999, -19.9593, 15.2551

# Details

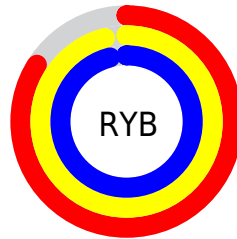
The Yxy color **84.4560, 0.3112, 0.3624** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0615, 0.3141, 0.2977**, and the grayscale version is **80.9286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2693, 0.3107, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **79.8948, 0.3098, 0.3928**, and if you desaturate by 10%, it is **89.7643, 0.3124, 0.3356**.

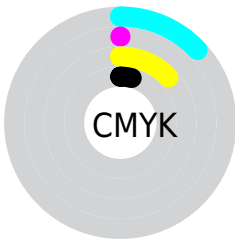
# Distribution



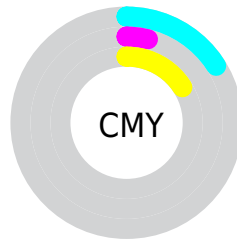
- Red (84%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4560, 0.3112, 0.3624 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 84.4560, 0.3112, 0.3624 by changing the saturation by 10% instead.



84.4560, 0.3112,  
0.3624

84.4560, 0.3112,  
0.3624

509.8263, 0.3121,  
0.3470

63.3920, 0.3110,  
0.3659

139.6129, 0.3115,  
0.3571

46.1584, 0.3107,  
0.3702

174.4745, 0.3116,  
0.3550

32.3708, 0.3102,  
0.3757

214.7042, 0.3117,  
0.3532

21.6449, 0.3097,  
0.3829

260.6862, 0.3118,  
0.3516

13.5962, 0.3088,  
0.3926

312.8051, 0.3119,  
0.3503

7.8404, 0.3073,  
0.4065

371.4451, 0.3120,

3.9930, 0.3047,

0.3491

0.4282

436.9907, 0.3120,  
0.3480

■ 1.6696, 0.2994,  
0.4670

■ 0.4039, 0.0000,  
1.0000

■ 84.4560, 0.3112,  
0.3624

■ 84.4560, 0.3112,  
0.3624

■ 79.8948, 0.3098,  
0.3928

■ 89.7643, 0.3124,  
0.3356

■ 76.0370, 0.3083,  
0.4263

■ 93.7855, 0.3132,  
0.3194

■ 72.8508, 0.3066,  
0.4619

■ 70.2980, 0.3049,  
0.4980

■ 68.3362, 0.3033,  
0.5321

■ 66.9180, 0.3020,  
0.5612

■ 65.9889, 0.3009,  
0.5827

■ 65.4828, 0.3003,  
0.5954

■ 65.3095, 0.3000,  
0.6000

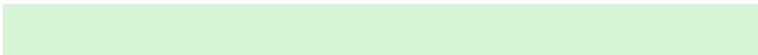
# Harmonies

## Analogous

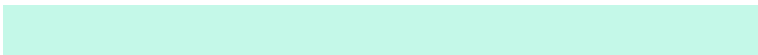
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4560, 0.3333, 0.3687



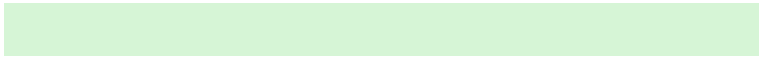
84.4560, 0.3112, 0.3624



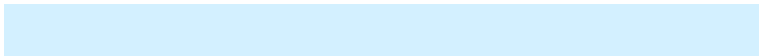
84.4560, 0.2900, 0.3460

# Triad

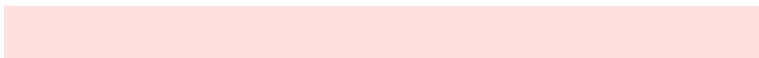
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4560, 0.3112, 0.3624



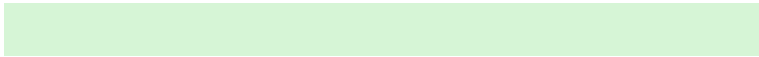
84.4560, 0.2759, 0.2944



84.4560, 0.3516, 0.3309

# Complementary

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



84.4560, 0.3112, 0.3624



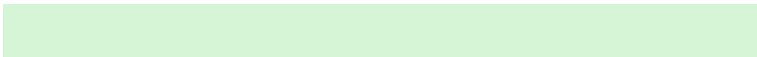
74.0615, 0.3141, 0.2977

# 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.



84.4560, 0.3352, 0.3126



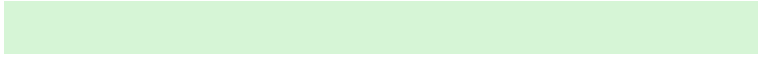
84.4560, 0.3112, 0.3624



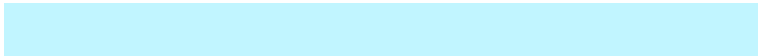
84.4560, 0.2914, 0.2918

# Square

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



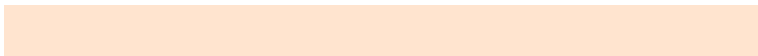
84.4560, 0.3112, 0.3624



84.4560, 0.2701, 0.3062



84.4560, 0.3130, 0.2985

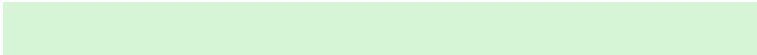


84.4560, 0.3572, 0.3495

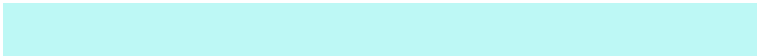


# Rectangle

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



84.4560, 0.3112, 0.3624



84.4560, 0.2792, 0.3321



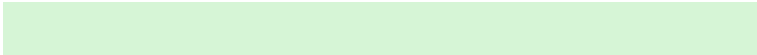
84.4560, 0.3130, 0.2985



84.4560, 0.3472, 0.3246

# Sweetspot

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



84.4596, 0.3112, 0.3624



97.4816, 0.3123, 0.3390



89.2583, 0.3318, 0.3599



20.7669, 0.3122, 0.3409



0.0000, 0.0000, 0.0000

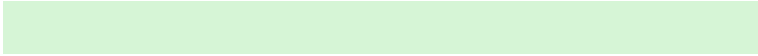


21.4041, 0.3127, 0.3290

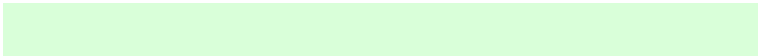


# Same Dimension

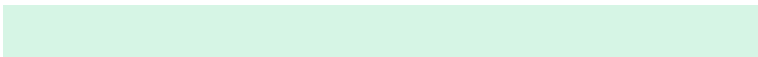
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4596, 0.3112, 0.3624



91.2452, 0.3109, 0.3693



85.2498, 0.3024, 0.3460



18.4741, 0.3116, 0.3535



35.1841, 0.3001, 0.6000



3.0930, 0.3002, 0.5998



# Inverse Universe

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



74.0615, 0.3141, 0.2977



77.9584, 0.3144, 0.2918



73.1961, 0.3245, 0.3126



16.7660, 0.3138, 0.3057



13.9498, 0.3203, 0.1538

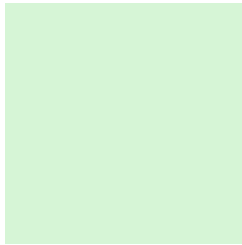


1.2267, 0.3204, 0.1539



# Previews

## White Background



This preview shows how the Yxy color 84.4560, 0.3112, 0.3624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

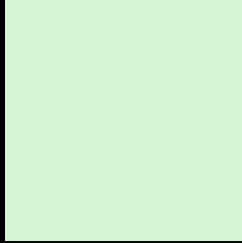
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.4560, 0.3112, 0.3624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

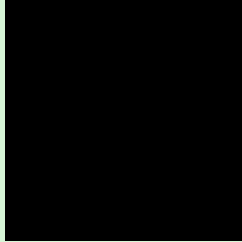
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

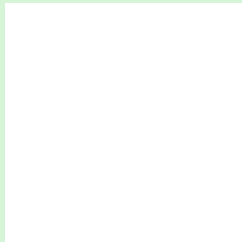
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.4560, 0.3112, 0.3624**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4560, 0.3112, 0.3624.

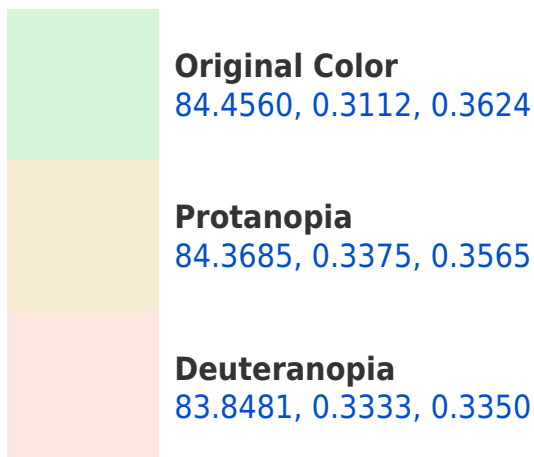


This preview shows how white text looks on a background with the Yxy color 84.4560, 0.3112, 0.3624.

# 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

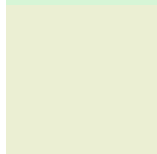
84.0570, 0.2930, 0.3116

# Trichromacy



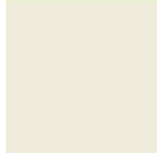
## Original Color

84.4560, 0.3112, 0.3624



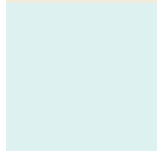
## Protanomaly

84.0983, 0.3275, 0.3582



## Deuteranomaly

83.7366, 0.3249, 0.3444



## Tritanomaly

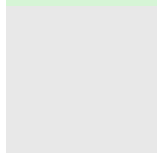
84.4175, 0.2998, 0.3300

# Monochromacy



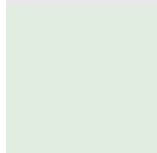
## Original Color

84.4560, 0.3112, 0.3624



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.0122, 0.3121, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4560, 0.3112, 0.3624 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(214, 245, 214)` looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 214)  
}
```

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(214, 245, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4560, 0.3112, 0.3624 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(214, 245, 214) }
```

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

```
.border{ border-color:rgb(214, 245, 214) }
```

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

Here you see how a box with a 4 pixel rgb(214, 245, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 214);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4560, 0.3112, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 245, 214) }
```

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

```
.background{ background-color: rgb(214,  
245, 214) }
```

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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