

# Converting Colors

$Yxy(84.2899, 0.3102, 0.3592)$

Have a look what the booklet for  
Yxy(84.2899, 0.3102, 0.3592)  
contains.

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# Color

**Yxy(84.1063, 0.3107, 0.3591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F4D8
RGB	215, 244, 216
RGB Percent	84%, 96%, 85%
CMY	0.1568, 0.0431, 0.1531
CMYK	0.12, 0.00, 0.11, 0.04
HSL	122°, 57%, 90%
HSV	122°, 12%, 96%
XYZ	72.7703, 84.1063, 77.3375
YIQ	232.1370, -8.2960, -14.8560

# Conversions

## Conversions Part 2

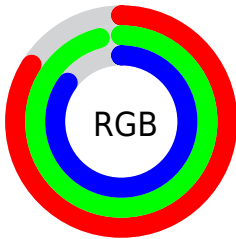
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 243, 244
Decimal	14152920
CIE Lab	93.50, -14.56, 10.34
CIE LCh	93, 17.855, 144.606
Yxy	84.1063, 0.3107, 0.3591
Android (android.graphics.Color)	4292343000 (0xFFD7F4D8)
YUV	232.1370, -7.9555, -15.0291
Hunter-Lab	91.7095, -18.8541, 14.1981

# Details

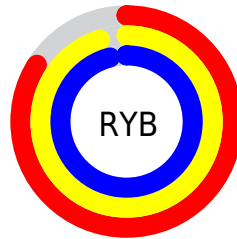
The Yxy color **84.1063, 0.3107, 0.3591** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.3214, 0.3147, 0.3006**, and the grayscale version is **80.8723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0132, 0.3101, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **79.5523, 0.3089, 0.3882**, and if you desaturate by 10%, it is **89.3938, 0.3124, 0.3334**.

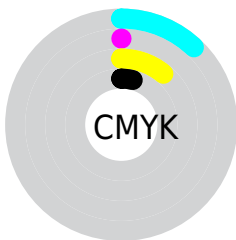
# Distribution



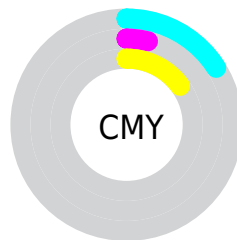
- Red (84%)
- Green (96%)
- Blue (85%)



- Red (84%)
- Yellow (95%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1063, 0.3107, 0.3591 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 84.1063, 0.3107, 0.3591 by changing the saturation by 10% instead.



 84.1063, 0.3107,  
0.3591

 84.1063, 0.3107,  
0.3591


508.6662, 0.3118,  
0.3452

 63.1032, 0.3104,  
0.3623


139.1239, 0.3111,  
0.3543

 45.9247, 0.3101,  
0.3661


173.9071, 0.3112,  
0.3524

 32.1864, 0.3096,  
0.3711


214.0526, 0.3114,  
0.3508

 21.5039, 0.3090,  
0.3775

259.9446, 0.3115,  
0.3494

 13.4928, 0.3081,  
0.3862

311.9675, 0.3115,  
0.3482

 7.7688, 0.3066,  
0.3987

370.5059, 0.3116,

 3.9474, 0.3040,

0.3471

0.4182

435.9439, 0.3117,  
0.3461

■ 1.6442, 0.2987,  
0.4525

■ 0.3871, 0.0316,  
0.9684

■ 84.1063, 0.3107,  
0.3591

■ 84.1063, 0.3107,  
0.3591

■ 79.5523, 0.3089,  
0.3882

■ 89.3938, 0.3124,  
0.3334

■ 75.6894, 0.3069,  
0.4204

■ 93.1834, 0.3132,  
0.3185

■ 72.4869, 0.3050,  
0.4549

■ 69.9079, 0.3031,  
0.4902

■ 67.9119, 0.3015,  
0.5242

■ 66.4533, 0.3004,  
0.5541

■ 65.4801, 0.2997,  
0.5774

■ 64.9297, 0.2996,  
0.5924

■ 64.7207, 0.2996,  
0.5986

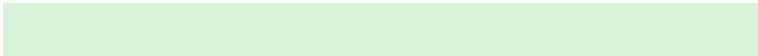
# Harmonies

## Analogous

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



84.1063, 0.3310, 0.3653



84.1063, 0.3107, 0.3591



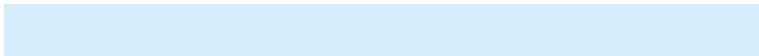
84.1063, 0.2914, 0.3440

# Triad

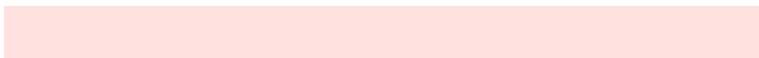
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1063, 0.3107, 0.3591



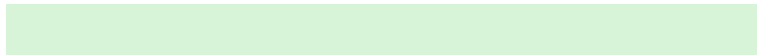
84.1063, 0.2793, 0.2970



84.1063, 0.3487, 0.3314

# Complementary

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



84.1063, 0.3107, 0.3591



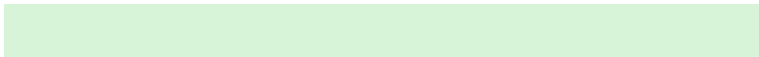
74.3214, 0.3147, 0.3006

# 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.



84.1063, 0.3339, 0.3145



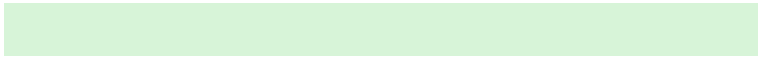
84.1063, 0.3107, 0.3591



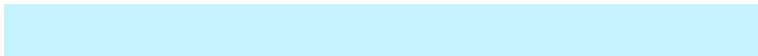
84.1063, 0.2938, 0.2949

# Square

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



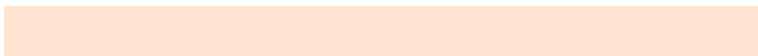
84.1063, 0.3107, 0.3591



84.1063, 0.2737, 0.3077



84.1063, 0.3137, 0.3013

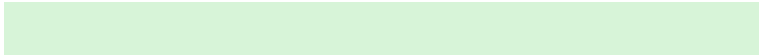


84.1063, 0.3534, 0.3484

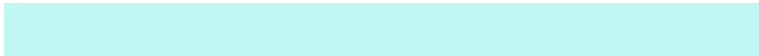


# Rectangle

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



84.1063, 0.3107, 0.3591



84.1063, 0.2816, 0.3313



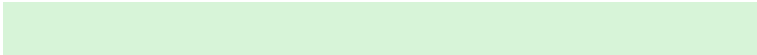
84.1063, 0.3137, 0.3013



84.1063, 0.3447, 0.3256

# Sweetspot

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



84.1099, 0.3107, 0.3591



97.4971, 0.3121, 0.3386



88.7583, 0.3302, 0.3584



20.7708, 0.3119, 0.3405



0.0000, 0.0000, 0.0000

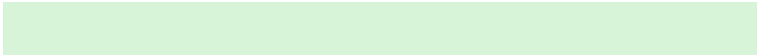


21.4041, 0.3127, 0.3290

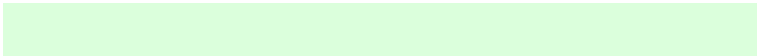


# Same Dimension

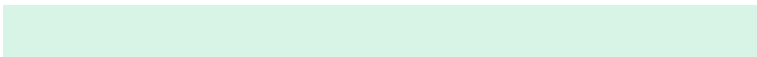
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1099, 0.3107, 0.3591



91.8182, 0.3103, 0.3651



84.8669, 0.3025, 0.3438



18.4807, 0.3111, 0.3527



35.1943, 0.2994, 0.5980



3.0962, 0.2980, 0.5928



# Inverse Universe

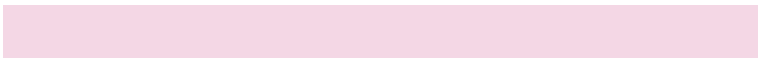
The Inverse Universe completely reimagines the original color for something new.



74.3214, 0.3147, 0.3006



79.2255, 0.3151, 0.2954



73.5053, 0.3243, 0.3146



16.7585, 0.3143, 0.3064



13.7581, 0.3292, 0.1587

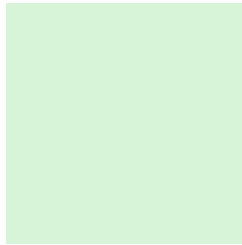


1.2121, 0.3281, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 84.1063, 0.3107, 0.3591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

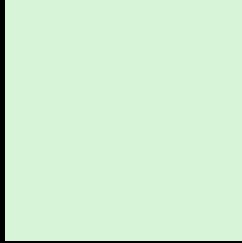
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1063, 0.3107, 0.3591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

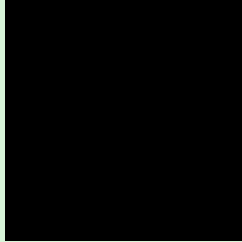
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

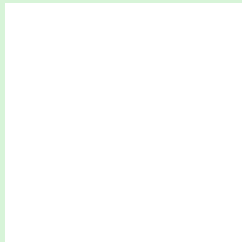
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.1063, 0.3107, 0.3591**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1063, 0.3107, 0.3591.

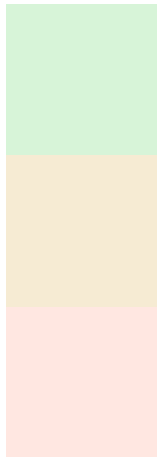


This preview shows how white text looks on a background with the Yxy color 84.1063, 0.3107, 0.3591.

# 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

84.1063, 0.3107, 0.3591

### Protanopia

83.7126, 0.3356, 0.3535

### Deuteranopia

83.8481, 0.3333, 0.3350



## Tritanopia

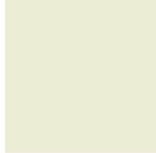
84.0570, 0.2930, 0.3116

# Trichromacy



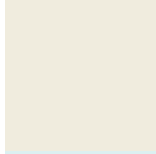
## Original Color

84.1063, 0.3107, 0.3591



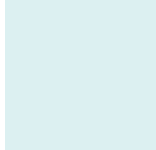
## Protanomaly

83.6153, 0.3263, 0.3551



## Deuteranomaly

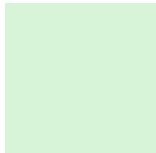
83.7901, 0.3242, 0.3434



## Tritanomaly

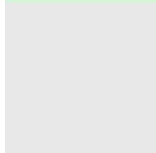
83.8867, 0.2992, 0.3279

# Monochromacy



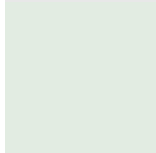
## Original Color

84.1063, 0.3107, 0.3591



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

81.6506, 0.3122, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1063, 0.3107, 0.3591 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(215, 244, 216)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 216)  
}
```

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(215, 244, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1063, 0.3107, 0.3591 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(215, 244, 216) }
```

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

```
.border{ border-color:rgb(215, 244, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 216);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1063, 0.3107, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 216) }
```

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

```
.background{ background-color: rgb(215,  
244, 216) }
```

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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