

# Converting Colors

Yxy(84.4578, 0.3160, 0.3688)

Have a look what the booklet for  
Yxy(84.4578, 0.3160, 0.3688)  
contains.

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# Color

**Yxy(84.4578, 0.3160, 0.3688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F5D0
RGB	216, 245, 208
RGB Percent	85%, 96%, 82%
CMY	0.1528, 0.0392, 0.1842
CMYK	0.12, 0.00, 0.15, 0.04
HSL	107°, 65%, 89%
HSV	107°, 15%, 96%
XYZ	72.3662, 84.4578, 72.1830
YIQ	232.1110, -5.4070, -17.6550

# Conversions

## Conversions Part 2

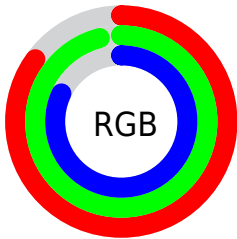
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 245, 237
Decimal	14218704
CIE <sub>Lab</sub>	93.65, -16.06, 14.66
CIE <sub>LCh</sub>	94, 21.745, 137.609
Yxy	84.4578, 0.3160, 0.3688
Android (android.graphics.Color)	4292408784 (0xFFD8F5D0)
YUV	232.1110, -11.8867, -14.1293
Hunter-Lab	91.9009, -20.2690, 17.7617

# Details

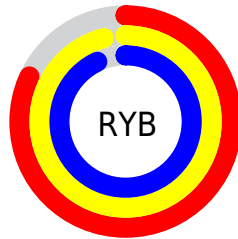
The Yxy color **84.4578, 0.3160, 0.3688** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.7248, 0.3087, 0.2910**, and the grayscale version is **80.8846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3054, 0.3161, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **80.5909, 0.3179, 0.3988**, and if you desaturate by 10%, it is **88.8599, 0.3139, 0.3417**.

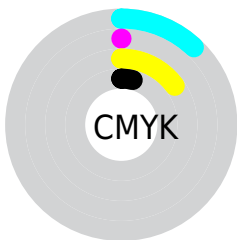
# Distribution



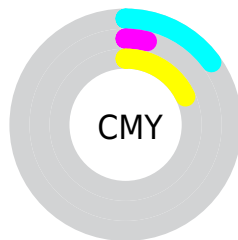
- Red (85%)
- Green (96%)
- Blue (82%)



- Red (82%)
- Yellow (96%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)



- Cyan (15%)
- Magenta (4%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4578, 0.3160, 0.3688 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 84.4578, 0.3160, 0.3688 by changing the saturation by 10% instead.




 84.4578, 0.3160,  
0.3688

 84.4578, 0.3160,  
0.3688


509.8322, 0.3148,  
0.3504

 63.3935, 0.3162,  
0.3730


139.6154, 0.3156,  
0.3624

 46.1596, 0.3165,  
0.3782

174.4774, 0.3155,  
0.3599

 32.3718, 0.3167,  
0.3847


214.7075, 0.3153,  
0.3578

 21.6456, 0.3170,  
0.3933

260.6900, 0.3152,  
0.3559

 13.5967, 0.3171,  
0.4049

312.8094, 0.3151,  
0.3543

 7.8407, 0.3171,  
0.4216

371.4499, 0.3149,

 3.9932, 0.3163,

0.3529

0.4475

436.9961, 0.3148,  
0.3516

1.6698, 0.3166,  
0.4983

0.4040, 0.0000,  
1.0000

84.4578, 0.3160,  
0.3688

84.4578, 0.3160,  
0.3688

80.5909, 0.3179,  
0.3988

88.8599, 0.3139,  
0.3417

77.2282, 0.3193,  
0.4311

93.6737, 0.3128,  
0.3194

74.3516, 0.3200,  
0.4649

93.7820, 0.3132,  
0.3194

71.9380, 0.3198,  
0.4985

■ 69.9623, 0.3186,  
0.5299

■ 68.3968, 0.3163,  
0.5569

■ 67.2105, 0.3129,  
0.5774

■ 66.3671, 0.3089,  
0.5903

■ 66.0591, 0.3070,  
0.5944

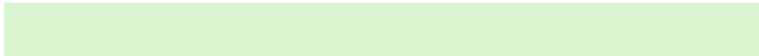
# Harmonies

## Analogous

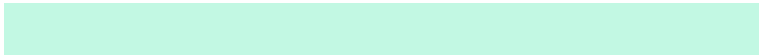
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4578, 0.3401, 0.3732



84.4578, 0.3160, 0.3688



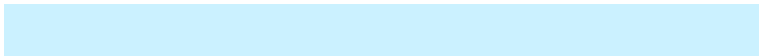
84.4578, 0.2917, 0.3523

# Triad

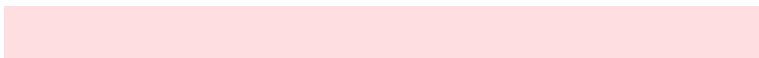
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4578, 0.3160, 0.3688



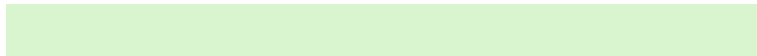
84.4578, 0.2697, 0.2923



84.4578, 0.3533, 0.3268

# Complementary

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



84.4578, 0.3160, 0.3688



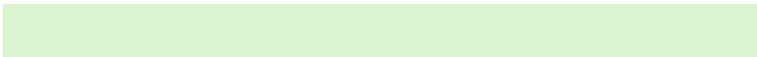
69.7248, 0.3087, 0.2910

# 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.



84.4578, 0.3331, 0.3071



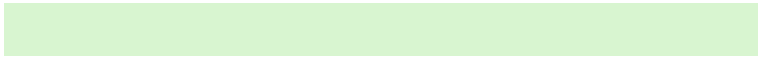
84.4578, 0.3160, 0.3688



84.4578, 0.2848, 0.2875

# Square

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



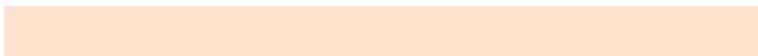
84.4578, 0.3160, 0.3688



84.4578, 0.2656, 0.3072



84.4578, 0.3079, 0.2930

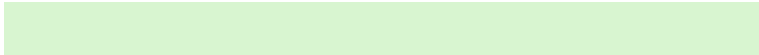


84.4578, 0.3622, 0.3477

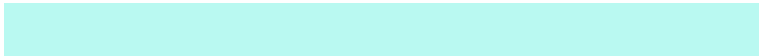


# Rectangle

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



84.4578, 0.3160, 0.3688



84.4578, 0.2786, 0.3372



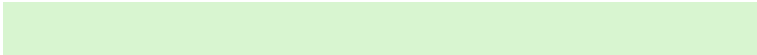
84.4578, 0.3079, 0.2930



84.4578, 0.3475, 0.3199

# Sweetspot

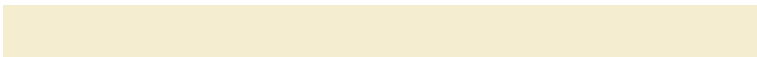
The Sweet Spot groups the original color and five complimentary colors.



84.4614, 0.3160, 0.3688



97.3599, 0.3138, 0.3415



84.5282, 0.3366, 0.3587



20.7622, 0.3140, 0.3433



0.0000, 0.0000, 0.0000

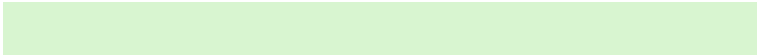


21.4041, 0.3127, 0.3290

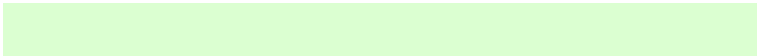


# Same Dimension

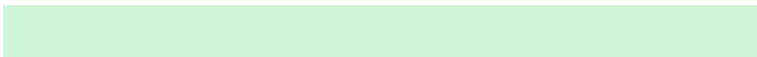
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4614, 0.3160, 0.3688



91.1934, 0.3166, 0.3774



83.8053, 0.3047, 0.3577



18.6448, 0.3148, 0.3532



35.6378, 0.3078, 0.5938



3.1753, 0.3159, 0.5874



# Inverse Universe

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



69.7248, 0.3087, 0.2910



72.2948, 0.3077, 0.2832



70.5106, 0.3218, 0.3019



16.5768, 0.3103, 0.3054



9.6508, 0.2666, 0.1243

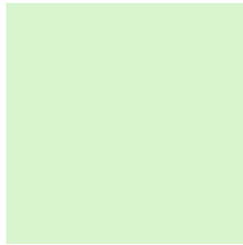


0.8921, 0.2738, 0.1282



# Previews

## White Background



This preview shows how the Yxy color 84.4578, 0.3160, 0.3688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

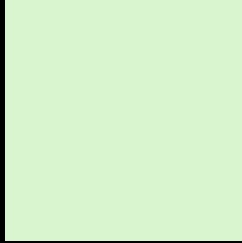
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.4578, 0.3160, 0.3688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

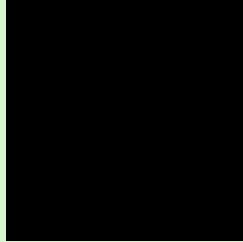
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

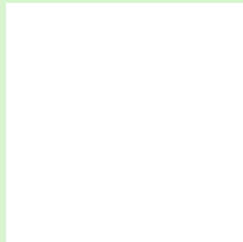
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.4578, 0.3160, 0.3688**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4578, 0.3160, 0.3688.

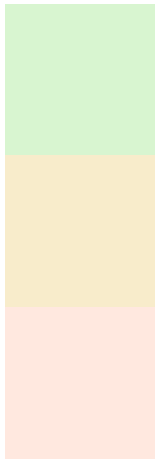


This preview shows how white text looks on a background with the Yxy color 84.4578, 0.3160, 0.3688.

# 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**

84.4578, 0.3160, 0.3688

**Protanopia**

84.2592, 0.3421, 0.3627

**Deuteranopia**

84.3009, 0.3345, 0.3380



## Tritanopia

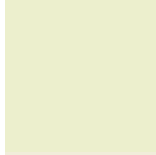
84.3766, 0.2943, 0.3116

# Trichromacy



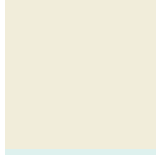
## Original Color

84.4578, 0.3160, 0.3688



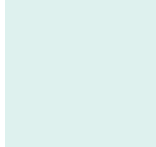
## Protanomaly

83.9736, 0.3320, 0.3645



## Deuteranomaly

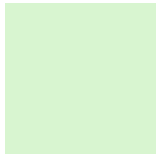
84.3311, 0.3274, 0.3485



## Tritanomaly

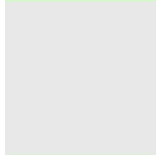
84.6132, 0.3023, 0.3321

# Monochromacy



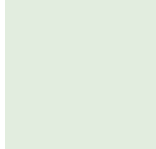
## Original Color

84.4578, 0.3160, 0.3688



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.0648, 0.3140, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4578, 0.3160, 0.3688 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(216, 245, 208)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 208)  
}
```

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(216, 245, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4578, 0.3160, 0.3688 is called "border". The border property can be set on classes, ids or directly on the HTML element.

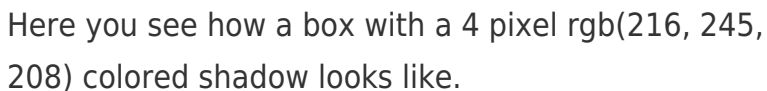
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 245, 208) }
```

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

```
.border{ border-color:rgb(216, 245, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 245, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 245, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 245, 208); box-shadow:4px 4px 4px 4px rgb(216, 245, 208) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4578, 0.3160, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 208) }
```

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

```
.background{ background-color: rgb(216,  
245, 208) }
```

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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