

# Converting Colors

$Yxy(85.2715, 0.3148, 0.3565)$

Have a look what the booklet for  
Yxy(85.2715, 0.3148, 0.3565)  
contains.

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# Color

**Yxy(85.4513, 0.3147, 0.3564)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFF4DA
RGB	223, 244, 218
RGB Percent	87%, 96%, 85%
CMY	0.1252, 0.0432, 0.1450
CMYK	0.09, 0.00, 0.11, 0.04
HSL	108°, 54%, 91%
HSV	108°, 11%, 96%
XYZ	75.4532, 85.4513, 78.8578
YIQ	234.7570, -4.1700, -12.5380

# Conversions

## Conversions Part 2

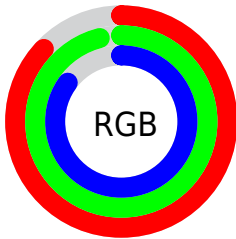
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 244, 239
Decimal	14677210
CIE <sub>Lab</sub>	94.08, -11.50, 10.18
CIE <sub>LCh</sub>	94, 15.362, 138.493
Yxy	85.4513, 0.3147, 0.3564
Android (android.graphics.Color)	4292867290 (0xFFDFF4DA)
YUV	234.7570, -8.2612, -10.3109
Hunter-Lab	92.4399, -16.0708, 14.1293

# Details

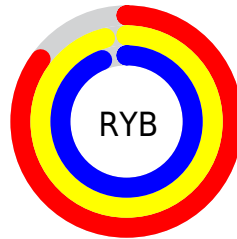
The Yxy color **85.4513, 0.3147, 0.3564** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.0236, 0.3104, 0.3025**, and the grayscale version is **82.9601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9356, 0.3152, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **81.3255, 0.3164, 0.3852**, and if you desaturate by 10%, it is **90.1350, 0.3128, 0.3306**.

# Distribution



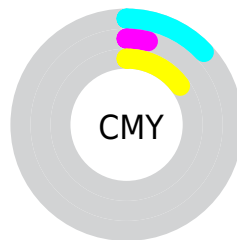
- Red (87%)
- Green (96%)
- Blue (85%)



- Red (85%)
- Yellow (96%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4513, 0.3147, 0.3564 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 85.4513, 0.3147, 0.3564 by changing the saturation by 10% instead.




 85.4513, 0.3147,  
0.3564

 85.4513, 0.3147,  
0.3564


513.1202, 0.3139,  
0.3439

 64.2143, 0.3148,  
0.3592


141.0035, 0.3145,  
0.3521

 46.8243, 0.3150,  
0.3627


176.0876, 0.3144,  
0.3504

 32.8968, 0.3152,  
0.3671


216.5562, 0.3143,  
0.3489

 22.0474, 0.3154,  
0.3728

262.7936, 0.3142,  
0.3477

 13.8917, 0.3156,  
0.3806

315.1844, 0.3141,  
0.3465

 8.0454, 0.3158,  
0.3916

374.1128, 0.3140,

 4.1240, 0.3158,

0.3455

439.9633, 0.3140,  
0.3447

0.4085

1.7432, 0.3148,  
0.4377

0.4514, 0.2472,  
0.7528

85.4513, 0.3147,  
0.3564

85.4513, 0.3147,  
0.3564

81.3255, 0.3164,  
0.3852

90.1350, 0.3128,  
0.3306

77.7262, 0.3176,  
0.4168

93.1738, 0.3132,  
0.3185

74.6350, 0.3184,  
0.4503

72.0287, 0.3184,  
0.4845

■ 69.8820, 0.3175,  
0.5174

■ 68.1674, 0.3156,  
0.5468

■ 66.8539, 0.3128,  
0.5705

■ 65.9065, 0.3092,  
0.5867

■ 65.3080, 0.3058,  
0.5954

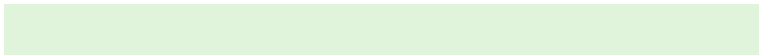
# Harmonies

## Analogous

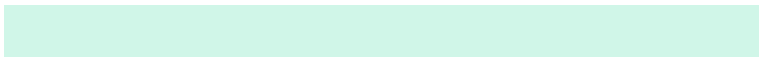
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4513, 0.3317, 0.3599



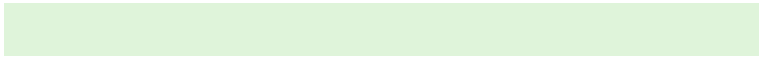
85.4513, 0.3147, 0.3564



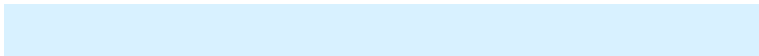
85.4513, 0.2976, 0.3449

# Triad

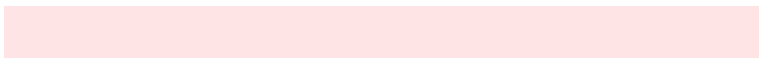
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4513, 0.3147, 0.3564



85.4513, 0.2824, 0.3029



85.4513, 0.3415, 0.3281

# Complementary

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



85.4513, 0.3147, 0.3564



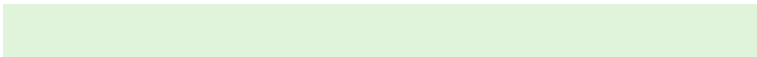
75.0236, 0.3104, 0.3025

# 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.



85.4513, 0.3276, 0.3138



85.4513, 0.3147, 0.3564



85.4513, 0.2935, 0.2995

# Square

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



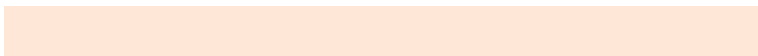
85.4513, 0.3147, 0.3564



85.4513, 0.2792, 0.3135



85.4513, 0.3100, 0.3035

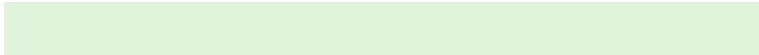


85.4513, 0.3474, 0.3430

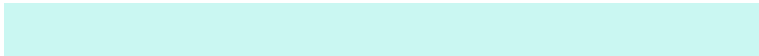


# Rectangle

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



85.4513, 0.3147, 0.3564



85.4513, 0.2883, 0.3344



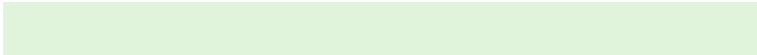
85.4513, 0.3100, 0.3035



85.4513, 0.3376, 0.3231

# Sweetspot

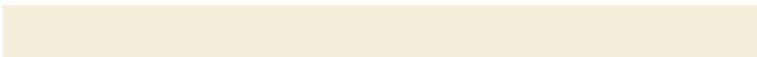
The Sweet Spot groups the original color and five complimentary colors.



85.4550, 0.3147, 0.3564



98.3668, 0.3133, 0.3364



85.9060, 0.3292, 0.3502



20.9632, 0.3134, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

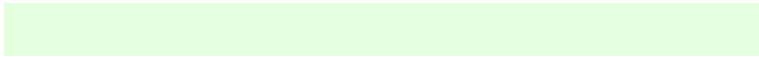


# Same Dimension

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



85.4550, 0.3147, 0.3564



93.3277, 0.3151, 0.3630



85.0825, 0.3068, 0.3482



18.6270, 0.3145, 0.3533



35.5593, 0.3065, 0.5948



3.1660, 0.3142, 0.5888



# Inverse Universe

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



75.0236, 0.3104, 0.3025



79.4415, 0.3098, 0.2964



75.4507, 0.3192, 0.3105



16.5961, 0.3107, 0.3055



10.0333, 0.2721, 0.1273

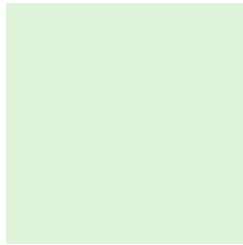


0.9225, 0.2786, 0.1308



# Previews

## White Background



This preview shows how the Yxy color 85.4513, 0.3147, 0.3564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

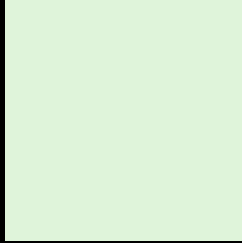
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4513, 0.3147, 0.3564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

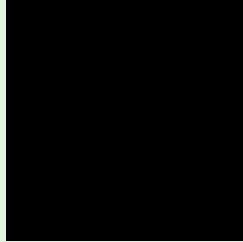
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

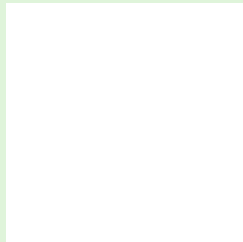
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4513, 0.3147, 0.3564**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4513, 0.3147, 0.3564.

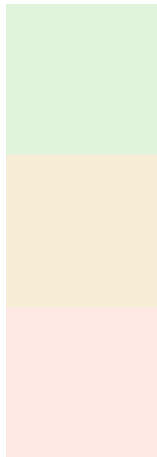


This preview shows how white text looks on a background with the Yxy color 85.4513, 0.3147, 0.3564.

# 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

85.4513, 0.3147, 0.3564

### Protanopia

85.1976, 0.3341, 0.3524

### Deuteranopia

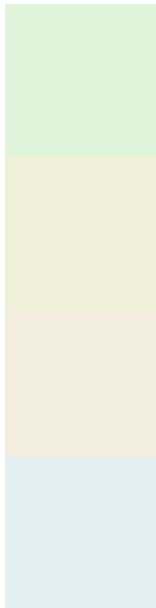
85.1393, 0.3310, 0.3340



## Tritanopia

85.1921, 0.2974, 0.3118

# Trichromacy



**Original Color**

85.4513, 0.3147, 0.3564

**Protanomaly**

85.4036, 0.3269, 0.3548

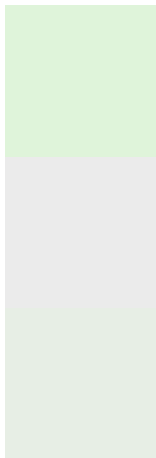
**Deuteranomaly**

85.0049, 0.3249, 0.3422

**Tritanomaly**

85.0619, 0.3031, 0.3269

# Monochromacy



**Original Color**

85.4513, 0.3147, 0.3564

**Achromatopsia**

83.0770, 0.3127, 0.3290

**Achromatomaly**

83.7951, 0.3136, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4513, 0.3147, 0.3564 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(223, 244, 218)` looks like.

```
.text, #text, p{  
    color:rgb(223, 244, 218)  
}
```

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(223, 244, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 244, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4513, 0.3147, 0.3564 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(223, 244, 218) }
```

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

```
.border{ border-color:rgb(223, 244, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 244, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 244, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 244, 218);  
box-shadow:4px 4px 4px 4px rgb(223, 244,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4513, 0.3147, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 244, 218) }
```

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

```
.background{ background-color: rgb(223,  
244, 218) }
```

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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