

# Converting Colors

$Yxy(85.2715, 0.3126, 0.3526)$

Have a look what the booklet for  
Yxy(85.2715, 0.3126, 0.3526)  
contains.

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# Color

**Yxy(85.6098, 0.3129, 0.3532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFF4DD
RGB	223, 244, 221
RGB Percent	87%, 96%, 87%
CMY	0.1253, 0.0432, 0.1333
CMYK	0.09, 0.00, 0.09, 0.04
HSL	115°, 51%, 91%
HSV	115°, 9%, 96%
XYZ	75.8418, 85.6098, 80.9318
YIQ	235.0990, -5.1330, -11.6050

# Conversions

## Conversions Part 2

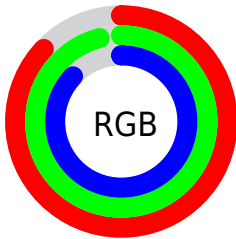
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 244, 242
Decimal	14677213
CIE Lab	94.15, -11.00, 8.74
CIE LCh	94, 14.051, 141.551
Yxy	85.6098, 0.3129, 0.3532
Android (android.graphics.Color)	4292867293 (0xFFDFF4DD)
YUV	235.0990, -6.9508, -10.6108
Hunter-Lab	92.5256, -15.6061, 12.9071

# Details

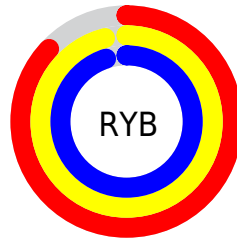
The Yxy color **85.6098, 0.3129, 0.3532** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1131, 0.3124, 0.3057**, and the grayscale version is **83.2206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0444, 0.3130, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **81.1022, 0.3129, 0.3821**, and if you desaturate by 10%, it is **90.7775, 0.3127, 0.3276**.

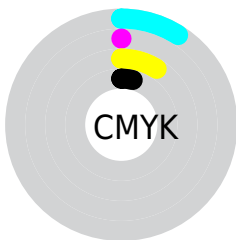
# Distribution



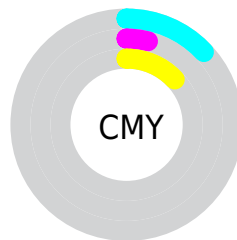
- Red (87%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (95%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6098, 0.3129, 0.3532 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 85.6098, 0.3129, 0.3532 by changing the saturation by 10% instead.




 85.6098, 0.3129,  
0.3532

 85.6098, 0.3129,  
0.3532


513.6437, 0.3129,  
0.3421

 64.3454, 0.3129,  
0.3557


141.2248, 0.3129,  
0.3494

 46.9305, 0.3128,  
0.3588


176.3442, 0.3129,  
0.3479

 32.9807, 0.3128,  
0.3626


216.8507, 0.3129,  
0.3466

 22.1116, 0.3127,  
0.3677

263.1288, 0.3129,  
0.3455

 13.9390, 0.3125,  
0.3744

315.5627, 0.3129,  
0.3445

 8.0782, 0.3121,  
0.3841

374.5369, 0.3129,

 4.1450, 0.3113,

0.3436

0.3989

440.4357, 0.3129,  
0.3428

■ 1.7550, 0.3094,  
0.4245

■ 0.4589, 0.2675,  
0.7325

■ 85.6098, 0.3129,  
0.3532

■ 85.6098, 0.3129,  
0.3532

■ 81.1022, 0.3129,  
0.3821

■ 90.7775, 0.3127,  
0.3276

■ 77.2177, 0.3127,  
0.4141

■ 93.1788, 0.3132,  
0.3185

■ 73.9321, 0.3121,  
0.4484

■ 71.2156, 0.3111,  
0.4837

■ 69.0357, 0.3097,  
0.5181

■ 67.3566, 0.3079,  
0.5488

■ 66.1382, 0.3058,  
0.5733

■ 65.3341, 0.3036,  
0.5899

■ 64.8832, 0.3017,  
0.5984

# Harmonies

## Analogous

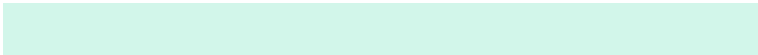
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6098, 0.3286, 0.3573



85.6098, 0.3129, 0.3532



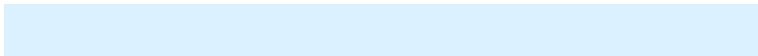
85.6098, 0.2974, 0.3421

# Triad

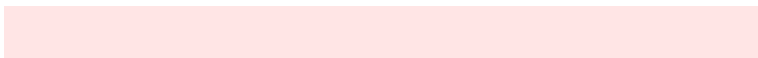
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6098, 0.3129, 0.3532



85.6098, 0.2857, 0.3045



85.6098, 0.3399, 0.3296

# Complementary

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



85.6098, 0.3129, 0.3532



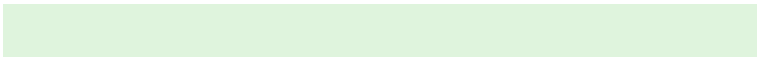
77.1131, 0.3124, 0.3057

# 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.



85.6098, 0.3279, 0.3163



85.6098, 0.3129, 0.3532



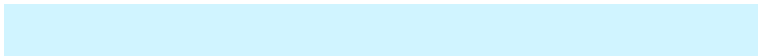
85.6098, 0.2965, 0.3020

# Square

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



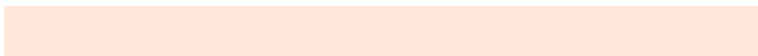
85.6098, 0.3129, 0.3532



85.6098, 0.2820, 0.3137



85.6098, 0.3119, 0.3064

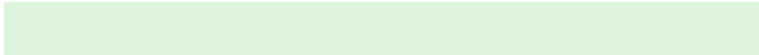


85.6098, 0.3445, 0.3431

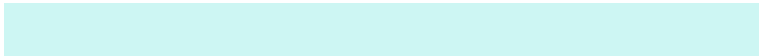


# Rectangle

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



85.6098, 0.3129, 0.3532



85.6098, 0.2893, 0.3324



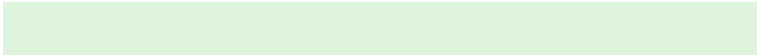
85.6098, 0.3119, 0.3064



85.6098, 0.3366, 0.3250

# Sweetspot

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



85.6135, 0.3129, 0.3532



98.2188, 0.3128, 0.3364



87.7762, 0.3270, 0.3500



20.9234, 0.3128, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

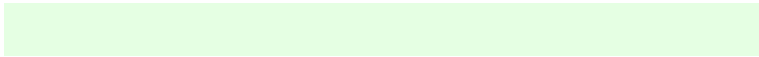


# Same Dimension

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



85.6135, 0.3129, 0.3532



93.7936, 0.3129, 0.3576



85.7951, 0.3061, 0.3434



18.5423, 0.3129, 0.3534



35.2958, 0.3020, 0.5984



3.1257, 0.3066, 0.5948



# Inverse Universe

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



77.1131, 0.3124, 0.3057



82.9218, 0.3123, 0.3017



76.9312, 0.3199, 0.3150



16.6892, 0.3124, 0.3056



12.0566, 0.2987, 0.1419

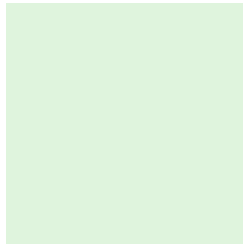


1.0812, 0.3016, 0.1435



# Previews

## White Background



This preview shows how the Yxy color 85.6098, 0.3129, 0.3532 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 85.6098, 0.3129, 0.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

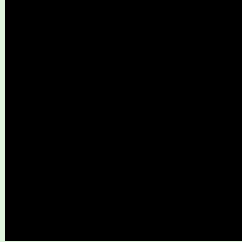
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

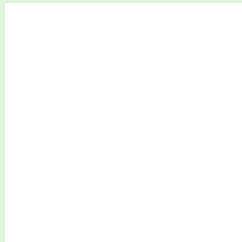
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.6098, 0.3129, 0.3532**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6098, 0.3129, 0.3532.

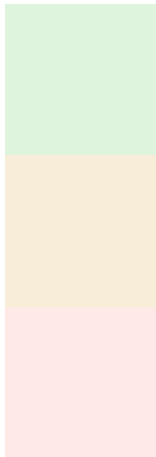


This preview shows how white text looks on a background with the Yxy color 85.6098, 0.3129, 0.3532.

# 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

85.6098, 0.3129, 0.3532

### Protanopia

85.3523, 0.3322, 0.3493

### Deuteranopia

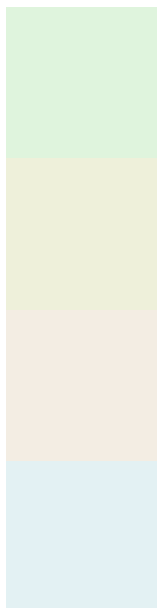
85.2510, 0.3297, 0.3320



## Tritanopia

85.7760, 0.2974, 0.3128

# Trichromacy



## Original Color

85.6098, 0.3129, 0.3532

## Protanomaly

85.5593, 0.3250, 0.3516

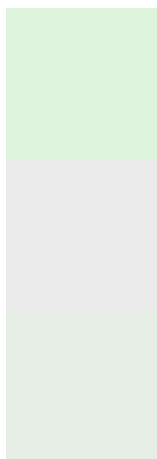
## Deuteranomaly

85.1691, 0.3230, 0.3392

## Tritanomaly

85.7126, 0.3025, 0.3269

# Monochromacy



## Original Color

85.6098, 0.3129, 0.3532

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.8512, 0.3130, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6098, 0.3129, 0.3532 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(223, 244, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 244, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6098, 0.3129, 0.3532 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, 221) }
```

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

```
.border{ border-color:rgb(223, 244, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(223, 244,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6098, 0.3129, 0.3532 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, 221) }
```

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

```
.background{ background-color: rgb(223,  
244, 221) }
```

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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