

Converting Colors

$Yxy(85.4003, 0.3168, 0.3730)$

Have a look what the booklet for
Yxy(85.4003, 0.3168, 0.3730)
contains.

Yxy(85.5767, 0.3170, 0.3731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.5767, 0.3170, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	D8F7CE
RGB	216, 247, 206
RGB Percent	85%, 97%, 81%
CMY	0.1531, 0.0313, 0.1921
CMYK	0.13, 0.00, 0.17, 0.03
HSL	105°, 72%, 89%
HSV	105°, 17%, 97%
XYZ	72.7092, 85.5767, 71.0807
YIQ	233.0570, -5.3150, -19.3230

Conversions

Conversions Part 2

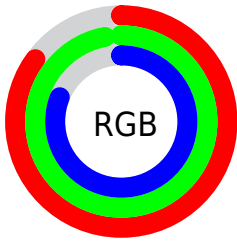
Format	Color
R_{YB}	206, 247, 237
Decimal	14219214
CIE _{Lab}	94.13, -17.42, 16.38
CIE _{LCh}	94, 23.912, 136.753
Yxy	85.5767, 0.3170, 0.3731
Android (android.graphics.Color)	4292409294 (0xFFD8F7CE)
YUV	233.0570, -13.3391, -14.9590
Hunter-Lab	92.5077, -21.5909, 19.1983

Details

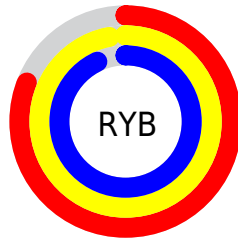
The Yxy color **85.5767, 0.3170, 0.3731** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8793, 0.3074, 0.2869**, and the grayscale version is **81.6321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1057, 0.3174, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **81.7836, 0.3192, 0.4033**, and if you desaturate by 10%, it is **89.8904, 0.3145, 0.3456**.

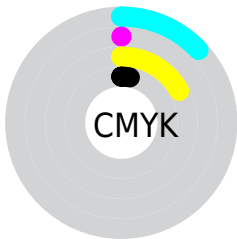
Distribution



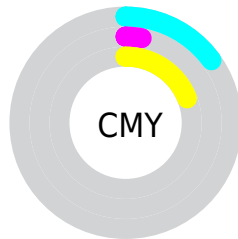
- Red (85%)
- Green (97%)
- Blue (81%)



- Red (81%)
- Yellow (97%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5767, 0.3170, 0.3731 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 85.5767, 0.3170, 0.3731 by changing the saturation by 10% instead.

 85.5767, 0.3170,
0.3731

 85.5767, 0.3170,
0.3731


513.5344, 0.3154,
0.3527

 64.3180, 0.3173,
0.3777


141.1786, 0.3165,
0.3660

 46.9083, 0.3176,
0.3835


176.2907, 0.3163,
0.3633

 32.9632, 0.3180,
0.3907


216.7892, 0.3161,
0.3609

 22.0982, 0.3183,
0.4002

263.0588, 0.3159,
0.3589

 13.9291, 0.3186,
0.4130

315.4837, 0.3158,
0.3571

 8.0714, 0.3186,
0.4314

374.4483, 0.3156,

 4.1406, 0.3178,

0.3554

0.4597

440.3371, 0.3155,
0.3540

■ 1.7525, 0.3188,
0.5167

■ 0.4573, 0.0203,
0.9797

■ 85.5767, 0.3170,
0.3731

■ 85.5767, 0.3170,
0.3731

■ 81.7836, 0.3192,
0.4033

■ 89.8904, 0.3145,
0.3456

■ 78.4804, 0.3209,
0.4358

■ 94.7058, 0.3120,
0.3214

■ 75.6500, 0.3219,
0.4693

■ 95.0127, 0.3131,
0.3214

■ 73.2697, 0.3218,
0.5024

■ 71.3152, 0.3206,
0.5330

■ 69.7595, 0.3181,
0.5590

■ 68.5724, 0.3144,
0.5783

■ 67.7179, 0.3101,
0.5902

■ 67.4899, 0.3087,
0.5931

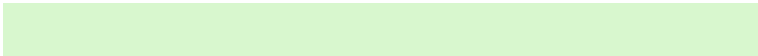
Harmonies

Analogous

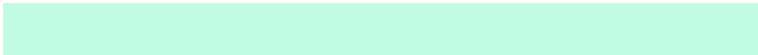
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5767, 0.3432, 0.3773



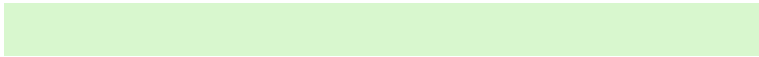
85.5767, 0.3170, 0.3731



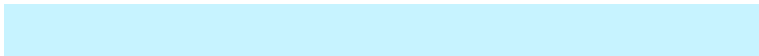
85.5767, 0.2904, 0.3553

Triad

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



85.5767, 0.3170, 0.3731



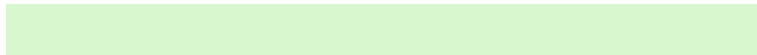
85.5767, 0.2654, 0.2892



85.5767, 0.3567, 0.3258

Complementary

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



85.5767, 0.3170, 0.3731



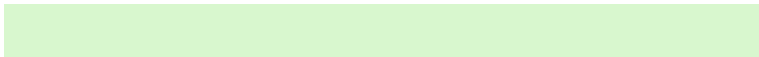
68.8793, 0.3074, 0.2869

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.



85.5767, 0.3342, 0.3046



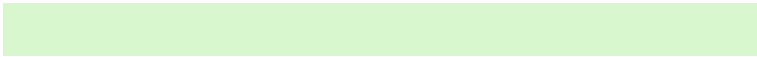
85.5767, 0.3170, 0.3731



85.5767, 0.2816, 0.2837

Square

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



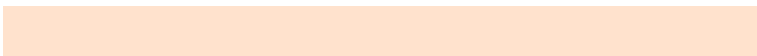
85.5767, 0.3170, 0.3731



85.5767, 0.2614, 0.3056



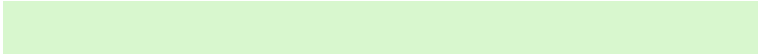
85.5767, 0.3065, 0.2895



85.5767, 0.3669, 0.3487

Rectangle

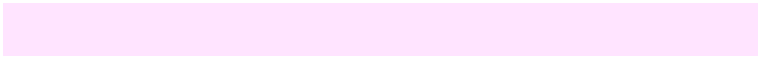
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5767, 0.3170, 0.3731



85.5767, 0.2760, 0.3387



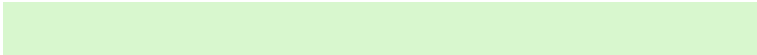
85.5767, 0.3065, 0.2895



85.5767, 0.3503, 0.3183

Sweetspot

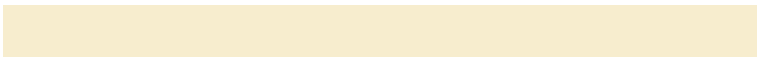
The Sweet Spot groups the original color and five complimentary colors.



85.5804, 0.3170, 0.3731



97.4197, 0.3141, 0.3415



84.6664, 0.3393, 0.3604



20.7767, 0.3142, 0.3433



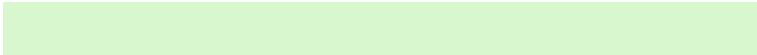
0.0000, 0.0000, 0.0000



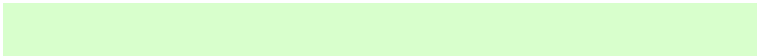
21.4041, 0.3127, 0.3290

Same Dimension

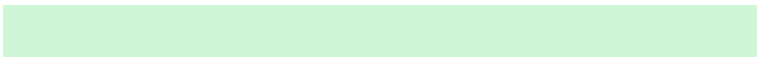
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5804, 0.3170, 0.3731



90.5342, 0.3178, 0.3832



84.6266, 0.3047, 0.3624



18.6660, 0.3152, 0.3532



35.7419, 0.3096, 0.5924



3.1872, 0.3180, 0.5857

Inverse Universe

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



68.8793, 0.3074, 0.2869



69.3956, 0.3061, 0.2778



70.0236, 0.3218, 0.2977



16.5541, 0.3099, 0.3054



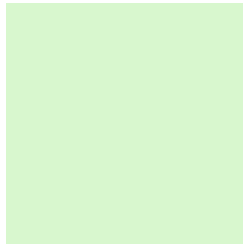
9.2159, 0.2602, 0.1207



0.8572, 0.2681, 0.1251

Previews

White Background



This preview shows how the Yxy color 85.5767, 0.3170, 0.3731 looks on a white background.

Color Contrast Check

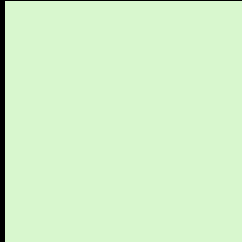
Large Text (above 18pt) WCAG AA × Fail

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 85.5767, 0.3170, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

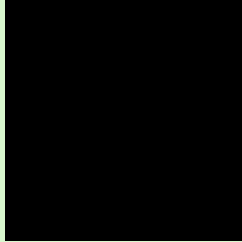
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

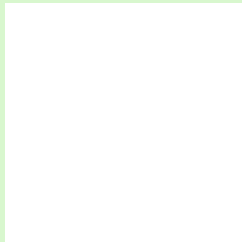
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5767, 0.3170, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 85.5767, 0.3170, 0.3731.

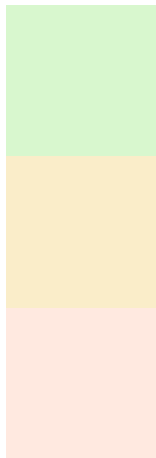


This preview shows how white text looks on a background with the Yxy color 85.5767, 0.3170, 0.3731.

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

85.5767, 0.3170, 0.3731

Protanopia

85.1094, 0.3447, 0.3656

Deuteranopia

84.9196, 0.3337, 0.3380



Tritanopia

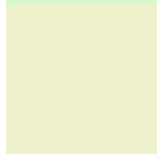
85.2839, 0.2955, 0.3127

Trichromacy



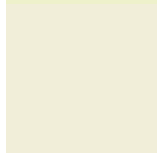
Original Color

85.5767, 0.3170, 0.3731



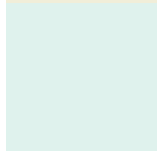
Protanomaly

85.3995, 0.3343, 0.3684



Deuteranomaly

84.8596, 0.3279, 0.3505



Tritanomaly

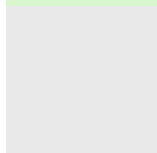
85.3067, 0.3035, 0.3342

Monochromacy



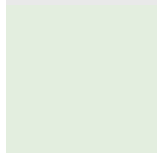
Original Color

85.5767, 0.3170, 0.3731



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

82.8077, 0.3146, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5767, 0.3170, 0.3731 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, 247, 206)` looks like.

```
.text, #text, p{  
    color:rgb(216, 247, 206)  
}
```

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, 247, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 247, 206) }
```

Border

The CSS property to change the border of an element to Yxy 85.5767, 0.3170, 0.3731 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, 247, 206) }
```

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

```
.border{ border-color:rgb(216, 247, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 247, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 247, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 247, 206);  
box-shadow:4px 4px 4px 4px rgb(216, 247,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5767, 0.3170, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 247, 206) }
```

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

```
.background{ background-color: rgb(216,  
247, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor