

Converting Colors

$Yxy(83.8587, 0.3158, 0.3724)$

Have a look what the booklet for
Yxy(83.8587, 0.3158, 0.3724)
contains.

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Color

Yxy(83.8587, 0.3158, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	D5F5CD
RGB	213, 245, 205
RGB Percent	84%, 96%, 80%
CMY	0.1647, 0.0392, 0.1960
CMYK	0.13, 0.00, 0.16, 0.04
HSL	108°, 67%, 88%
HSV	108°, 16%, 96%
XYZ	71.1133, 83.8587, 70.2125
YIQ	230.8720, -6.2320, -19.2240

Conversions

Conversions Part 2

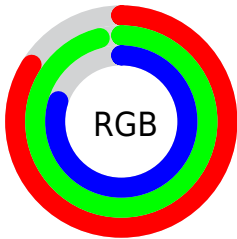
Format	Color
RYB	205, 245, 237
Decimal	14022093
CIELab	93.39, -17.59, 15.81
CIELCh	93, 23.653, 138.045
Yxy	83.8587, 0.3158, 0.3724
Android (android.graphics.Color)	4292212173 (0xFFD5F5CD)
YUV	230.8720, -12.7549, -15.6737
Hunter-Lab	91.5744, -21.6388, 18.6429

Details

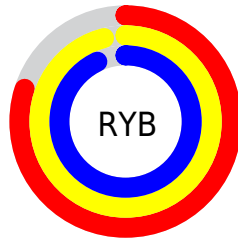
The Yxy color **83.8587, 0.3158, 0.3724** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.2805, 0.3088, 0.2878**, and the grayscale version is **79.9136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8987, 0.3159, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **80.0116, 0.3173, 0.4028**, and if you desaturate by 10%, it is **88.2532, 0.3140, 0.3448**.

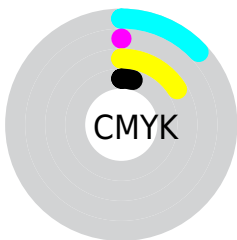
Distribution



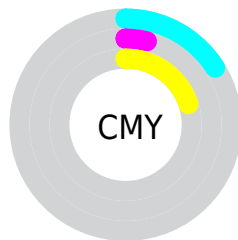
- Red (84%)
- Green (96%)
- Blue (80%)



- Red (80%)
- Yellow (96%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8587, 0.3158, 0.3724 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 83.8587, 0.3158, 0.3724 by changing the saturation by 10% instead.


 83.8587, 0.3158,
0.3724

 83.8587, 0.3158,
0.3724


507.8439, 0.3147,
0.3523

 62.8988, 0.3160,
0.3770


138.7775, 0.3155,
0.3654

 45.7593, 0.3162,
0.3827


173.5052, 0.3153,
0.3627

 32.0559, 0.3163,
0.3899


213.5909, 0.3152,
0.3604

 21.4042, 0.3165,
0.3994

259.4190, 0.3151,
0.3583

 13.4198, 0.3164,
0.4122

311.3740, 0.3150,
0.3565

 7.7183, 0.3161,
0.4307

369.8402, 0.3149,

 3.9152, 0.3146,

0.3550

435.2021, 0.3148,
0.3535

0.4595

1.6262, 0.3162,
0.5210

0.3752, 0.0000,
1.0000

83.8587, 0.3158,
0.3724

83.8587, 0.3158,
0.3724

80.0116, 0.3173,
0.4028

88.2532, 0.3140,
0.3448

76.6798, 0.3184,
0.4356

93.2043, 0.3120,
0.3203

73.8444, 0.3188,
0.4696

93.7880, 0.3132,
0.3194

71.4811, 0.3184,
0.5033

■ 69.5632, 0.3170,
0.5345

■ 68.0616, 0.3145,
0.5608

■ 66.9434, 0.3112,
0.5804

■ 66.1697, 0.3073,
0.5922

■ 65.9564, 0.3060,
0.5952

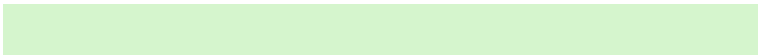
Harmonies

Analogous

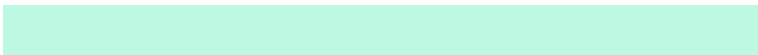
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8587, 0.3421, 0.3772



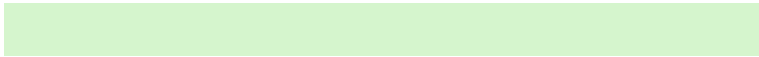
83.8587, 0.3158, 0.3724



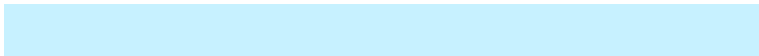
83.8587, 0.2895, 0.3542

Triad

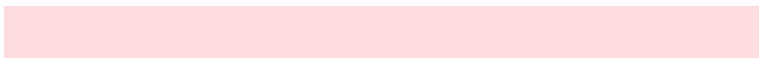
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8587, 0.3158, 0.3724



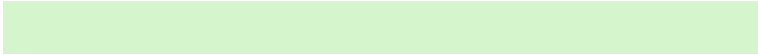
83.8587, 0.2661, 0.2889



83.8587, 0.3572, 0.3268

Complementary

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



83.8587, 0.3158, 0.3724



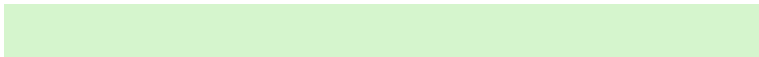
68.2805, 0.3088, 0.2878

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.



83.8587, 0.3353, 0.3055



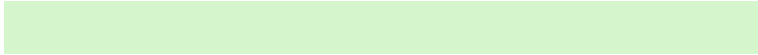
83.8587, 0.3158, 0.3724



83.8587, 0.2826, 0.2839

Square

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



83.8587, 0.3158, 0.3724



83.8587, 0.2615, 0.3048



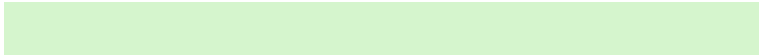
83.8587, 0.3077, 0.2901



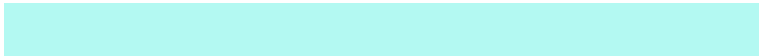
83.8587, 0.3668, 0.3495

Rectangle

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



83.8587, 0.3158, 0.3724



83.8587, 0.2753, 0.3375



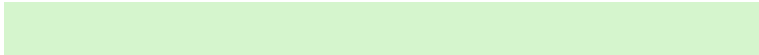
83.8587, 0.3077, 0.2901



83.8587, 0.3510, 0.3193

Sweetspot

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



83.8623, 0.3158, 0.3724



97.3206, 0.3137, 0.3415



84.3967, 0.3385, 0.3618



20.7527, 0.3138, 0.3433



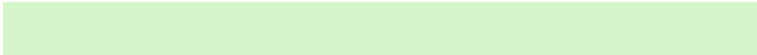
0.0000, 0.0000, 0.0000



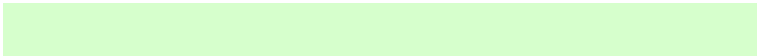
21.4041, 0.3127, 0.3290

Same Dimension

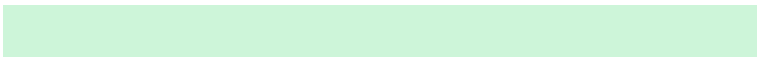
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8623, 0.3158, 0.3724



90.2001, 0.3164, 0.3834



83.3020, 0.3037, 0.3595



18.6309, 0.3146, 0.3533



35.5760, 0.3068, 0.5946



3.1680, 0.3145, 0.5885

Inverse Universe

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



68.2805, 0.3088, 0.2878



69.7892, 0.3077, 0.2780



68.9735, 0.3231, 0.3003



16.5918, 0.3106, 0.3055



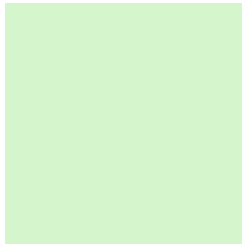
9.9469, 0.2709, 0.1266



0.9156, 0.2775, 0.1302

Previews

White Background



This preview shows how the Yxy color 83.8587, 0.3158, 0.3724 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 83.8587, 0.3158, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

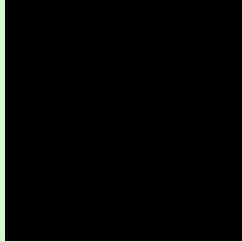
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

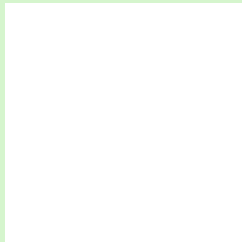
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8587, 0.3158, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 83.8587, 0.3158, 0.3724.

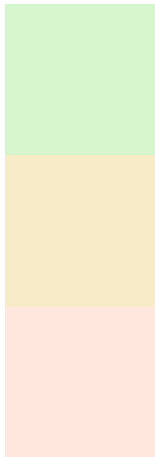


This preview shows how white text looks on a background with the Yxy color 83.8587, 0.3158, 0.3724.

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

83.8587, 0.3158, 0.3724

Protanopia

83.5433, 0.3443, 0.3648

Deuteranopia

83.6323, 0.3359, 0.3390



Tritanopia

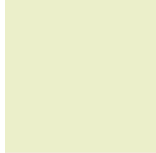
83.8987, 0.2924, 0.3115

Trichromacy



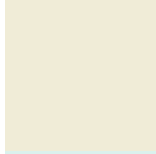
Original Color

83.8587, 0.3158, 0.3724



Protanomaly

83.6594, 0.3332, 0.3678



Deuteranomaly

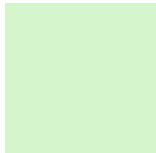
83.4225, 0.3287, 0.3507



Tritanomaly

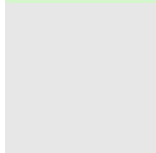
84.0851, 0.3009, 0.3332

Monochromacy



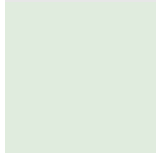
Original Color

83.8587, 0.3158, 0.3724



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.1121, 0.3134, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8587, 0.3158, 0.3724 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(213, 245, 205)` looks like.

```
.text, #text, p{  
    color:rgb(213, 245, 205)  
}
```

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(213, 245, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 245, 205) }
```

Border

The CSS property to change the border of an element to Yxy 83.8587, 0.3158, 0.3724 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(213, 245, 205) }
```

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

```
.border{ border-color:rgb(213, 245, 205) }
```

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

Here you see how a box with a 4 pixel rgb(213, 245, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 245, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 245, 205);  
box-shadow:4px 4px 4px 4px rgb(213, 245,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8587, 0.3158, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 245, 205) }
```

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

```
.background{ background-color: rgb(213,  
245, 205) }
```

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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