

Converting Colors

Yxy(85.4783, 0.3138, 0.3598)

Have a look what the booklet for
Yxy(85.4783, 0.3138, 0.3598)
contains.

Yxy(85.4783, 0.3138, 0.3598)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.4783, 0.3138, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	DCF5D8
RGB	220, 245, 216
RGB Percent	86%, 96%, 85%
CMY	0.1375, 0.0391, 0.1529
CMYK	0.10, 0.00, 0.12, 0.04
HSL	112°, 59%, 90%
HSV	112°, 12%, 96%
XYZ	74.5500, 85.4783, 77.5434
YIQ	234.2190, -5.5910, -14.3190

Conversions

Conversions Part 2

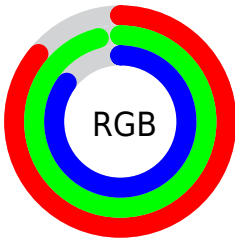
Format	Color
RYB	216, 245, 241
Decimal	14480856
CIELab	94.09, -13.41, 11.20
CIELCh	94, 17.474, 140.119
Yxy	85.4783, 0.3138, 0.3598
Android (android.graphics.Color)	4292670936 (0xFFDCE5D8)
YUV	234.2190, -8.9820, -12.4701
Hunter-Lab	92.4545, -17.8631, 14.9904

Details

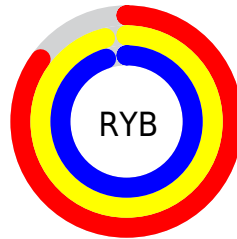
The Yxy color **85.4783, 0.3138, 0.3598** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.4295, 0.3113, 0.2995**, and the grayscale version is **82.5222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9677, 0.3142, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **81.2100, 0.3145, 0.3893**, and if you desaturate by 10%, it is **90.3617, 0.3129, 0.3335**.

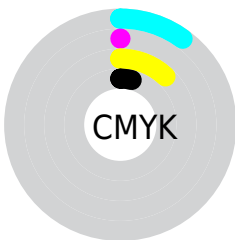
Distribution



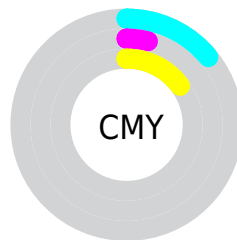
- Red (86%)
- Green (96%)
- Blue (85%)



- Red (85%)
- Yellow (96%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)




- Cyan (14%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4783, 0.3138, 0.3598 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 85.4783, 0.3138, 0.3598 by changing the saturation by 10% instead.


 85.4783, 0.3138,
0.3598

 85.4783, 0.3138,
0.3598


513.2094, 0.3135,
0.3457

 64.2367, 0.3138,
0.3630

141.0412, 0.3137,
0.3549

 46.8424, 0.3139,
0.3670


176.1313, 0.3137,
0.3530

 32.9111, 0.3139,
0.3719


216.6064, 0.3136,
0.3514

 22.0583, 0.3139,
0.3784

262.8507, 0.3136,
0.3499

 13.8998, 0.3138,
0.3872

315.2488, 0.3136,
0.3487

 8.0510, 0.3134,
0.3997

374.1850, 0.3135,

 4.1276, 0.3126,

0.3476

0.4190

440.0438, 0.3135,
0.3466

■ 1.7452, 0.3101,
0.4526

■ 0.4527, 0.1852,
0.8148

■ 85.4783, 0.3138,
0.3598

■ 85.4783, 0.3138,
0.3598

■ 81.2100, 0.3145,
0.3893

■ 90.3617, 0.3129,
0.3335

■ 77.5218, 0.3148,
0.4216

■ 93.7969, 0.3132,
0.3195

■ 74.3920, 0.3147,
0.4558

■ 71.7929, 0.3141,
0.4906

■ 69.6950, 0.3127,
0.5239

■ 68.0652, 0.3107,
0.5532

■ 66.8669, 0.3081,
0.5760

■ 66.0575, 0.3052,
0.5909

■ 65.6432, 0.3031,
0.5976

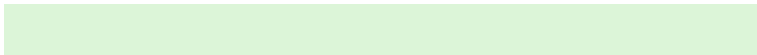
Harmonies

Analogous

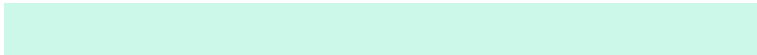
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4783, 0.3333, 0.3643



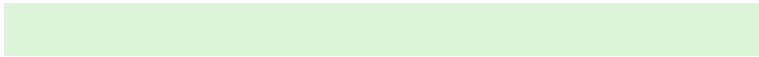
85.4783, 0.3138, 0.3598



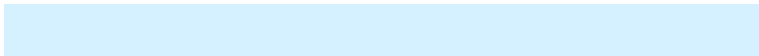
85.4783, 0.2945, 0.3462

Triad

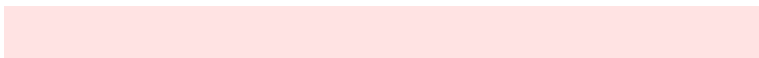
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4783, 0.3138, 0.3598



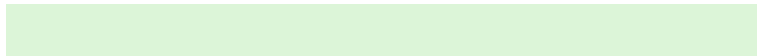
85.4783, 0.2788, 0.2989



85.4783, 0.3461, 0.3288

Complementary

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



85.4783, 0.3138, 0.3598



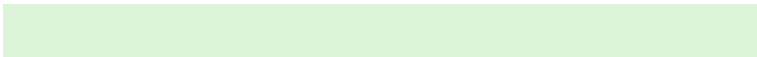
74.4295, 0.3113, 0.2995

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.



85.4783, 0.3306, 0.3126



85.4783, 0.3138, 0.3598



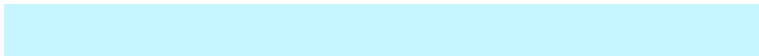
85.4783, 0.2917, 0.2956

Square

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



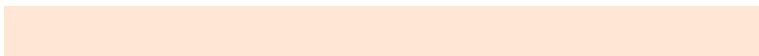
85.4783, 0.3138, 0.3598



85.4783, 0.2747, 0.3105



85.4783, 0.3106, 0.3006



85.4783, 0.3523, 0.3456

Rectangle

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



85.4783, 0.3138, 0.3598



85.4783, 0.2842, 0.3341



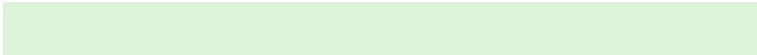
85.4783, 0.3106, 0.3006



85.4783, 0.3418, 0.3232

Sweetspot

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



85.4820, 0.3138, 0.3598



97.7260, 0.3131, 0.3389



87.0894, 0.3310, 0.3540



20.8285, 0.3132, 0.3409



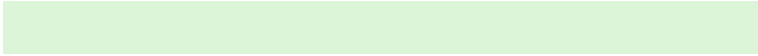
0.0000, 0.0000, 0.0000



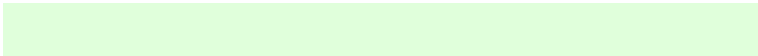
21.4041, 0.3127, 0.3290

Same Dimension

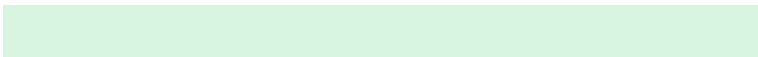
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4820, 0.3138, 0.3598



92.5190, 0.3140, 0.3660



85.4180, 0.3053, 0.3490



18.5796, 0.3136, 0.3533



35.3904, 0.3036, 0.5971



3.1433, 0.3099, 0.5921

Inverse Universe

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



74.4295, 0.3113, 0.2995



78.3943, 0.3110, 0.2939



74.5253, 0.3209, 0.3098



16.6479, 0.3116, 0.3055



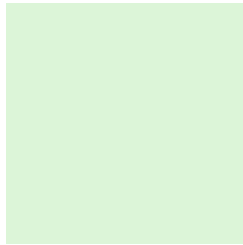
11.1227, 0.2869, 0.1354



1.0084, 0.2914, 0.1379

Previews

White Background



This preview shows how the Yxy color 85.4783, 0.3138, 0.3598 looks on a white background.

Color Contrast Check

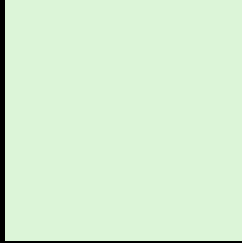
Large Text (above 18pt) WCAG AA × Fail

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 85.4783, 0.3138, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

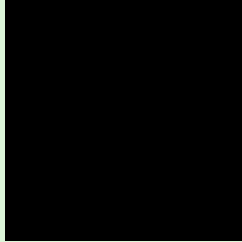
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

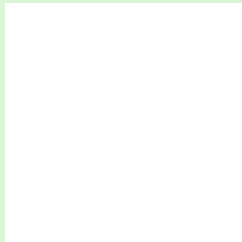
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4783, 0.3138, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 85.4783, 0.3138, 0.3598.

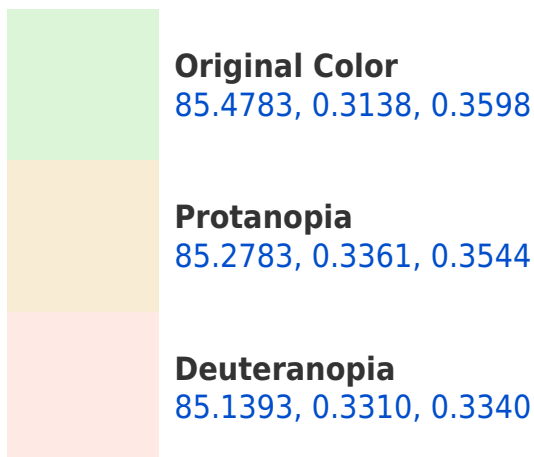


This preview shows how white text looks on a background with the Yxy color 85.4783, 0.3138, 0.3598.

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

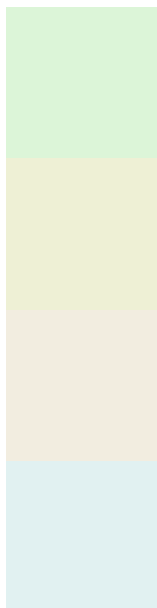




Tritanopia

85.4470, 0.2962, 0.3128

Trichromacy



Original Color

85.4783, 0.3138, 0.3598

Protanomaly

85.3014, 0.3281, 0.3569

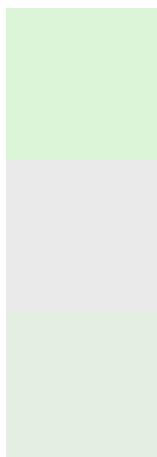
Deuteranomaly

84.8274, 0.3242, 0.3423

Tritanomaly

85.2690, 0.3024, 0.3290

Monochromacy



Original Color

85.4783, 0.3138, 0.3598

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.3531, 0.3135, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4783, 0.3138, 0.3598 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(220, 245, 216)` looks like.

```
.text, #text, p{  
    color:rgb(220, 245, 216)  
}
```

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(220, 245, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 245, 216) }
```

Border

The CSS property to change the border of an element to Yxy 85.4783, 0.3138, 0.3598 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(220, 245, 216) }
```

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

```
.border{ border-color:rgb(220, 245, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 245, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 245, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 245, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 245,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4783, 0.3138, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 245, 216) }
```

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

```
.background{ background-color: rgb(220,  
245, 216) }
```

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