

Converting Colors

$Yxy(88.5056, 0.3055, 0.3566)$

Have a look what the booklet for
Yxy(88.5056, 0.3055, 0.3566)
contains.

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Color

Yxy(88.8233, 0.3058, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	D7FBEO
RGB	215, 251, 224
RGB Percent	84%, 98%, 88%
CMY	0.1568, 0.0157, 0.1216
CMYK	0.14, 0.00, 0.11, 0.02
HSL	135°, 82%, 91%
HSV	135°, 14%, 98%
XYZ	75.9781, 88.8233, 83.6554
YIQ	237.1580, -12.7890, -16.0290

Conversions

Conversions Part 2

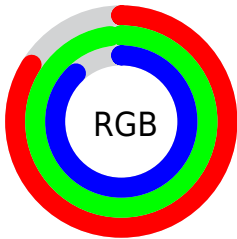
Format	Color
R_{YB}	215, 244, 251
Decimal	14154720
CIE _{Lab}	95.51, -16.59, 9.07
CIE _{LCh}	96, 18.913, 151.329
Yxy	88.8233, 0.3058, 0.3575
Android (android.graphics.Color)	4292344800 (0xFFD7FBE0)
YUV	237.1580, -6.4869, -19.4326
Hunter-Lab	94.2461, -21.0299, 13.3449

Details

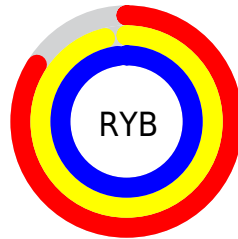
The Yxy color **88.8233, 0.3058, 0.3575** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5305, 0.3204, 0.3021**, and the grayscale version is **84.8782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9217, 0.3040, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **84.3477, 0.3011, 0.3804**, and if you desaturate by 10%, it is **94.0026, 0.3106, 0.3371**.

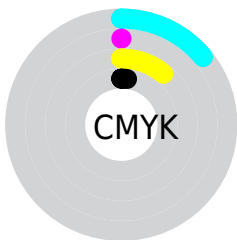
Distribution



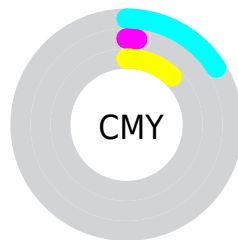
- Red (84%)
- Green (98%)
- Blue (88%)



- Red (84%)
- Yellow (96%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)




- Cyan (16%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8233, 0.3058, 0.3575 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 88.8233, 0.3058, 0.3575 by changing the saturation by 10% instead.


 88.8233, 0.3058,
0.3575

 88.8233, 0.3058,
0.3575


524.1956, 0.3090,
0.3445

 67.0051, 0.3051,
0.3604


145.7028, 0.3069,
0.3530

 49.0888, 0.3041,
0.3640


181.5329, 0.3074,
0.3513

 34.6899, 0.3030,
0.3686

222.8025, 0.3077,
0.3498

 23.4241, 0.3014,
0.3744

269.8959, 0.3081,
0.3484

 14.9070, 0.2993,
0.3823

323.1975, 0.3083,
0.3473

 8.7541, 0.2963,
0.3936

383.0917, 0.3086,

 4.5812, 0.2915,

0.3462

0.4107

449.9630, 0.3088,
0.3453

■ 2.0037, 0.2829,
0.4401

■ 0.6096, 0.2143,
0.7496

■ 88.8233, 0.3058,
0.3575

■ 88.8233, 0.3058,
0.3575

■ 84.3477, 0.3011,
0.3804

■ 94.0026, 0.3106,
0.3371

■ 80.5344, 0.2966,
0.4058

■ 97.4763, 0.3129,
0.3252

■ 77.3547, 0.2927,
0.4331

■ 74.7735, 0.2897,
0.4618

■ 72.7521, 0.2879,
0.4906

■ 71.2471, 0.2874,
0.5183

■ 70.2087, 0.2885,
0.5433

■ 69.5762, 0.2910,
0.5640

■ 69.3510, 0.2927,
0.5736

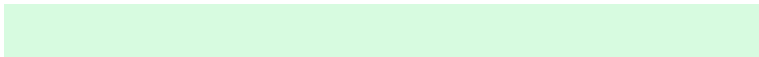
Harmonies

Analogous

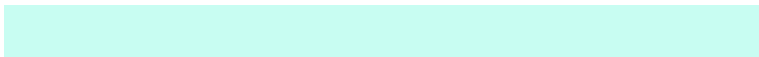
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8233, 0.3272, 0.3663



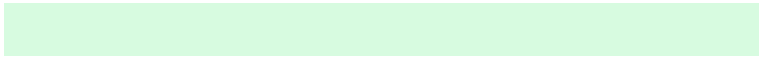
88.8233, 0.3058, 0.3575



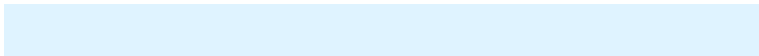
88.8233, 0.2867, 0.3403

Triad

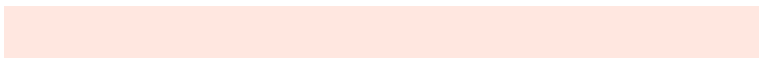
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8233, 0.3058, 0.3575



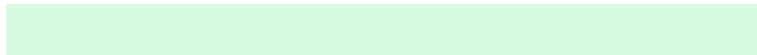
88.8233, 0.2807, 0.2945



88.8233, 0.3522, 0.3356

Complementary

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



88.8233, 0.3058, 0.3575



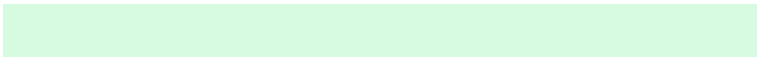
75.5305, 0.3204, 0.3021

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.



88.8233, 0.3389, 0.3176



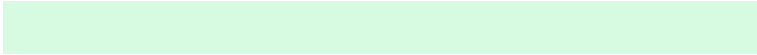
88.8233, 0.3058, 0.3575



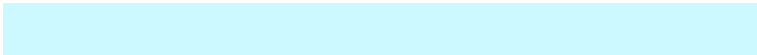
88.8233, 0.2973, 0.2944

Square

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



88.8233, 0.3058, 0.3575



88.8233, 0.2726, 0.3036



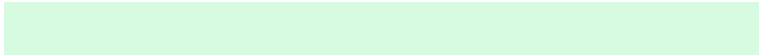
88.8233, 0.3186, 0.3028



88.8233, 0.3545, 0.3526

Rectangle

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



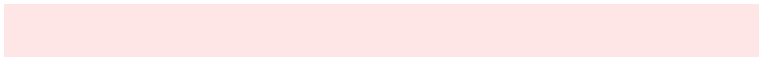
88.8233, 0.3058, 0.3575



88.8233, 0.2777, 0.3268



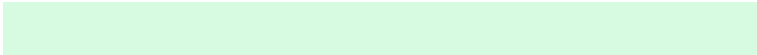
88.8233, 0.3186, 0.3028



88.8233, 0.3489, 0.3295

Sweetspot

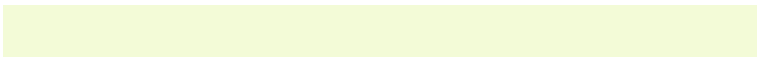
The Sweet Spot groups the original color and five complimentary colors.



88.8271, 0.3058, 0.3575



97.6332, 0.3108, 0.3364



92.8879, 0.3287, 0.3653



20.8052, 0.3104, 0.3379



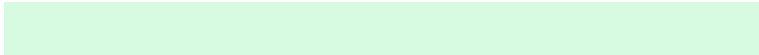
0.0000, 0.0000, 0.0000



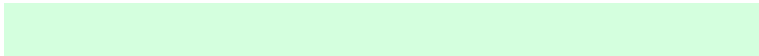
21.4041, 0.3127, 0.3290

Same Dimension

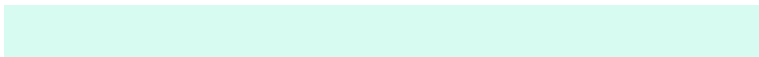
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8271, 0.3058, 0.3575



90.7640, 0.3045, 0.3634



89.8208, 0.2961, 0.3389



19.3803, 0.3081, 0.3473



36.4721, 0.2919, 0.5710



3.3941, 0.2858, 0.5487

Inverse Universe

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



75.5305, 0.3204, 0.3021



74.7150, 0.3221, 0.2969



74.5333, 0.3326, 0.3193



17.4462, 0.3176, 0.3114



12.7221, 0.3962, 0.1956



1.1952, 0.3852, 0.1896

Previews

White Background



This preview shows how the Yxy color 88.8233, 0.3058, 0.3575 looks on a white background.

Color Contrast Check

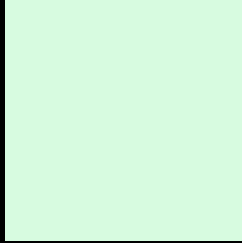
Large Text (above 18pt) WCAG AA × Fail

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 88.8233, 0.3058, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

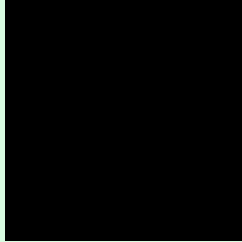
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

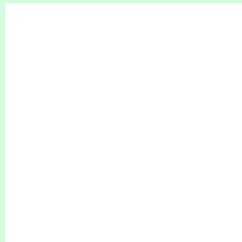
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.8233, 0.3058, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 88.8233, 0.3058, 0.3575.

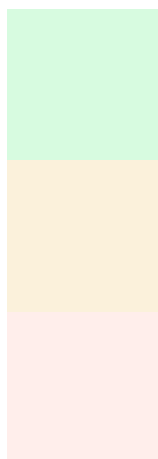


This preview shows how white text looks on a background with the Yxy color 88.8233, 0.3058, 0.3575.

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

88.8233, 0.3058, 0.3575

Protanopia

88.5343, 0.3331, 0.3510

Deuteranopia

88.4072, 0.3260, 0.3320



Tritanopia

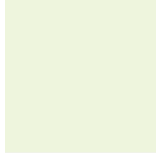
88.9103, 0.2981, 0.3179

Trichromacy



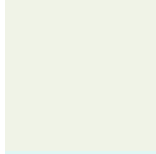
Original Color

88.8233, 0.3058, 0.3575



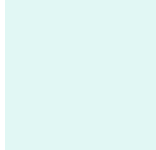
Protanomaly

88.7024, 0.3227, 0.3535



Deuteranomaly

88.3960, 0.3180, 0.3411



Tritanomaly

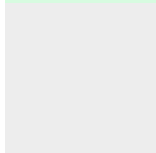
89.0607, 0.3006, 0.3320

Monochromacy



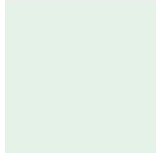
Original Color

88.8233, 0.3058, 0.3575



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

85.9885, 0.3103, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8233, 0.3058, 0.3575 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(215, 251, 224)` looks like.

```
.text, #text, p{  
    color:rgb(215, 251, 224)  
}
```

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(215, 251, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 251, 224) }
```

Border

The CSS property to change the border of an element to Yxy 88.8233, 0.3058, 0.3575 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(215, 251, 224) }
```

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

```
.border{ border-color:rgb(215, 251, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 251, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 251, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 251, 224);  
box-shadow:4px 4px 4px 4px rgb(215, 251,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8233, 0.3058, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 251, 224) }
```

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

```
.background{ background-color: rgb(215,  
251, 224) }
```

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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