

Converting Colors

$Yxy(88.8246, 0.3170, 0.3837)$

Have a look what the booklet for
Yxy(88.8246, 0.3170, 0.3837)
contains.

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Color

Yxy(88.6610, 0.3170, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	D5FDCA
RGB	213, 253, 202
RGB Percent	84%, 99%, 79%
CMY	0.1646, 0.0078, 0.2079
CMYK	0.16, 0.00, 0.20, 0.01
HSL	107°, 93%, 89%
HSV	107°, 20%, 99%
XYZ	73.2296, 88.6610, 69.1177
YIQ	235.2260, -7.4690, -24.3410

Conversions

Conversions Part 2

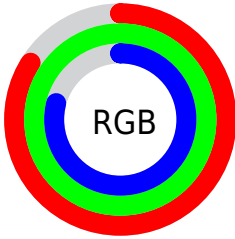
Format	Color
R _Y B	202, 253, 242
Decimal	14024138
CIE Lab	95.44, -21.97, 20.25
CIE LCh	95, 29.875, 137.327
Yxy	88.6610, 0.3170, 0.3838
Android (android.graphics.Color)	4292214218 (0xFFD5FDCA)
YUV	235.2260, -16.3804, -19.4922
Hunter-Lab	94.1600, -25.9578, 22.3904

Details

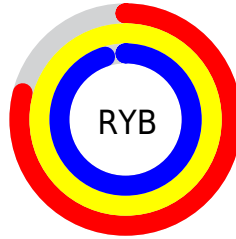
The Yxy color **88.6610, 0.3170, 0.3838** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.1939, 0.3070, 0.2775**, and the grayscale version is **83.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8871, 0.3174, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **84.7771, 0.3187, 0.4151**, and if you desaturate by 10%, it is **93.1113, 0.3150, 0.3551**.

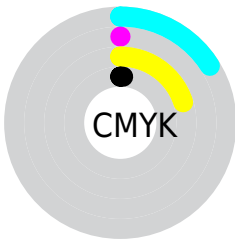
Distribution



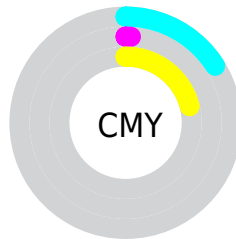
- Red (84%)
- Green (99%)
- Blue (79%)



- Red (79%)
- Yellow (99%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (1%)





- Cyan (16%)
- Magenta (1%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6610, 0.3170, 0.3838 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 88.6610, 0.3170, 0.3838 by changing the saturation by 10% instead.


 88.6610, 0.3170,
0.3838

 88.6610, 0.3170,
0.3838


523.6655, 0.3155,
0.3585

 66.8706, 0.3172,
0.3896

145.4771, 0.3166,
0.3750

 48.9795, 0.3174,
0.3967

181.2715, 0.3164,
0.3716

 34.6032, 0.3176,
0.4056


222.5028, 0.3162,
0.3687

 23.3574, 0.3176,
0.4173

269.5553, 0.3161,
0.3661

 14.8576, 0.3174,
0.4331

322.8135, 0.3159,
0.3639

 8.7195, 0.3166,
0.4555


382.6616, 0.3158,


 4.5587, 0.3140,


0.3619


0.4898


449.4841, 0.3156,
0.3601


 1.9907, 0.3136,
0.5609


 0.6021, 0.0565,
0.9435


 88.6610, 0.3170,
0.3838


 88.6610, 0.3170,
0.3838


 84.7771, 0.3187,
0.4151


 93.1113, 0.3150,
0.3551

 81.4257, 0.3197,
0.4484

 98.1380, 0.3128,
0.3294

 78.5863, 0.3200,
0.4824

 98.7316, 0.3128,
0.3271

 76.2330, 0.3193,
0.5152

■ 74.3373, 0.3175,
0.5447

■ 72.8675, 0.3146,
0.5685

■ 71.7874, 0.3109,
0.5851

■ 71.0572, 0.3069,
0.5945

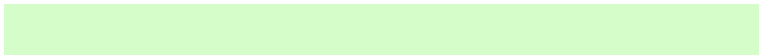
Harmonies

Analogous

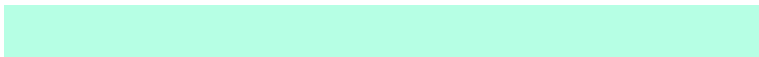
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6610, 0.3495, 0.3890



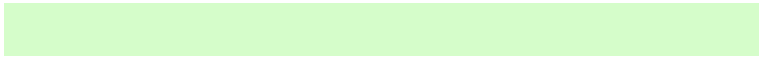
88.6610, 0.3170, 0.3838



88.6610, 0.2845, 0.3612

Triad

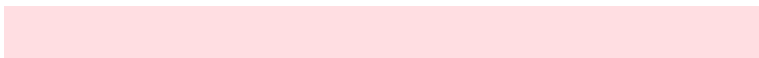
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6610, 0.3170, 0.3838



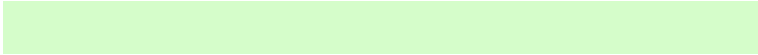
88.6610, 0.2551, 0.2797



88.6610, 0.3675, 0.3253

Complementary

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



88.6610, 0.3170, 0.3838



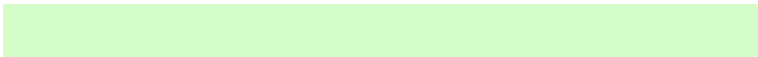
68.1939, 0.3070, 0.2775

Split Complementary

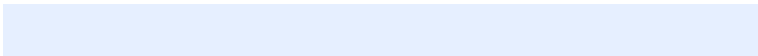
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6610, 0.3398, 0.2996



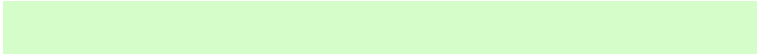
88.6610, 0.3170, 0.3838



88.6610, 0.2749, 0.2737

Square

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



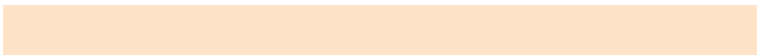
88.6610, 0.3170, 0.3838



88.6610, 0.2499, 0.2992



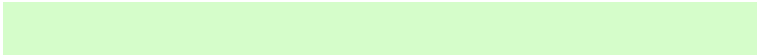
88.6610, 0.3055, 0.2811



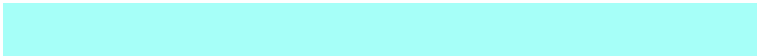
88.6610, 0.3798, 0.3531

Rectangle

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



88.6610, 0.3170, 0.3838



88.6610, 0.2671, 0.3401



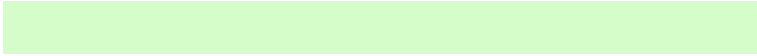
88.6610, 0.3055, 0.2811



88.6610, 0.3596, 0.3162

Sweetspot

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



88.6648, 0.3170, 0.3838



96.8502, 0.3141, 0.3441



88.6191, 0.3453, 0.3691



20.6594, 0.3142, 0.3458



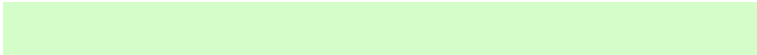
0.0000, 0.0000, 0.0000



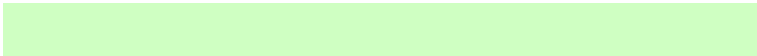
21.4041, 0.3127, 0.3290

Same Dimension

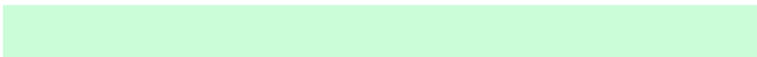
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6648, 0.3170, 0.3838



88.6783, 0.3177, 0.3956



87.7860, 0.3021, 0.3686



20.3576, 0.3148, 0.3533



37.8504, 0.3078, 0.5938



3.7304, 0.3149, 0.5882

Inverse Universe

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



68.1939, 0.3070, 0.2775



64.5481, 0.3056, 0.2672



69.3203, 0.3254, 0.2924



18.0903, 0.3103, 0.3053



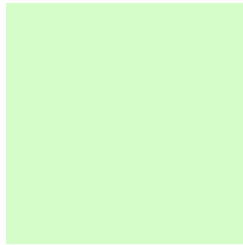
10.2426, 0.2665, 0.1242



1.0442, 0.2730, 0.1278

Previews

White Background



This preview shows how the Yxy color 88.6610, 0.3170, 0.3838 looks on a white background.

Color Contrast Check

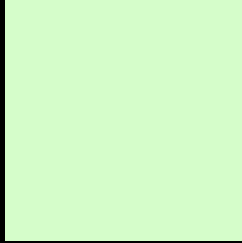
Large Text (above 18pt) WCAG AA × Fail

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 88.6610, 0.3170, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

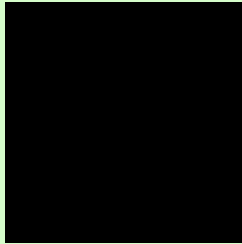
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

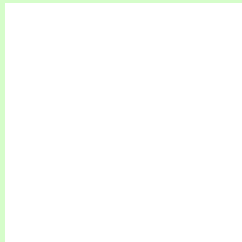
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6610, 0.3170, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 88.6610, 0.3170, 0.3838.

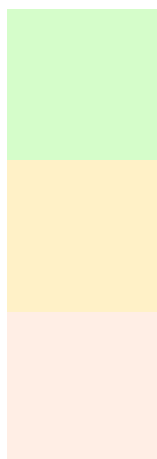


This preview shows how white text looks on a background with the Yxy color 88.6610, 0.3170, 0.3838.

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

88.6610, 0.3170, 0.3838

Protanopia

88.2941, 0.3488, 0.3710

Deuteranopia

88.0662, 0.3298, 0.3379



Tritanopia

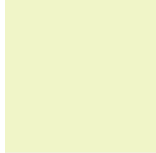
88.3101, 0.2981, 0.3169

Trichromacy



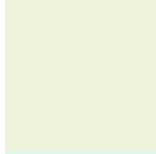
Original Color

88.6610, 0.3170, 0.3838



Protanomaly

88.0002, 0.3370, 0.3753



Deuteranomaly

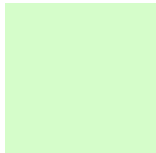
87.7409, 0.3254, 0.3535



Tritanomaly

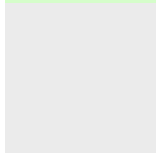
88.4250, 0.3046, 0.3403

Monochromacy



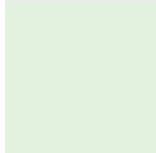
Original Color

88.6610, 0.3170, 0.3838



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.1629, 0.3144, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6610, 0.3170, 0.3838 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, 253, 202)` looks like.

```
.text, #text, p{  
    color:rgb(213, 253, 202)  
}
```

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, 253, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 253, 202) }
```

Border

The CSS property to change the border of an element to Yxy 88.6610, 0.3170, 0.3838 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, 253, 202) }
```

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

```
.border{ border-color:rgb(213, 253, 202) }
```

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

Here you see how a box with a 4 pixel rgb(213, 253, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 253, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 253, 202);  
box-shadow:4px 4px 4px 4px rgb(213, 253,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6610, 0.3170, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 253, 202) }
```

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

```
.background{ background-color: rgb(213,  
253, 202) }
```

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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