

Converting Colors

Yxy(88.0230, 0.3244, 0.4100)

Have a look what the booklet for
Yxy(88.0230, 0.3244, 0.4100)
contains.

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Color

Yxy(87.9780, 0.3242, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFB5
RGB	206, 255, 181
RGB Percent	81%, 100%, 71%
CMY	0.1919, 0.0000, 0.2902
CMYK	0.19, 0.00, 0.29, 0.00
HSL	100°, 100%, 85%
HSV	100°, 29%, 100%
XYZ	69.5670, 87.9780, 57.0355
YIQ	231.9130, -5.4500, -33.4020

Conversions

Conversions Part 2

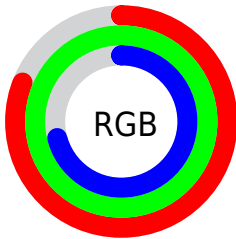
Format	Color
RYB	181, 255, 230
Decimal	13565877
CIELab	95.15, -28.50, 30.42
CIELCh	95, 41.685, 133.137
Yxy	87.9780, 0.3242, 0.4100
Android (android.graphics.Color)	4291755957 (0xFFCEFFB5)
YUV	231.9130, -25.1001, -22.7257
Hunter-Lab	93.7966, -31.7543, 29.6048

Details

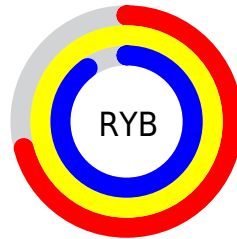
The Yxy color **87.9780, 0.3242, 0.4100** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.0851, 0.2968, 0.2522**, and the grayscale version is **80.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **48.5260, 0.3255, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **84.7423, 0.3272, 0.4419**, and if you desaturate by 10%, it is **91.6719, 0.3205, 0.3798**.

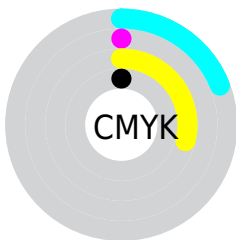
Distribution



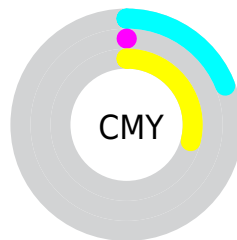
- Red (81%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (90%)



- Cyan (19%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9780, 0.3242, 0.4100 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 87.9780, 0.3242, 0.4100 by changing the saturation by 10% instead.


 87.9780, 0.3242,
0.4100

 87.9780, 0.3242,
0.4100

521.4312, 0.3200,
0.3722

 66.3048, 0.3249,
0.4186

 144.5265, 0.3230,
0.3969

 48.5199, 0.3255,
0.4293


180.1707, 0.3224,
0.3918

 34.2388, 0.3261,
0.4428


221.2407, 0.3220,
0.3874

 23.0771, 0.3265,
0.4603

268.1208, 0.3215,
0.3836

 14.6505, 0.3263,
0.4839

321.1955, 0.3211,
0.3802

 8.5744, 0.3245,
0.5172

380.8493, 0.3207,

 4.4647, 0.3185,

0.3772

0.5667

447.4663, 0.3204,
0.3746

■ 1.9367, 0.3172,
0.6828

■ 0.5703, 0.0000,
1.0000

■ 87.9780, 0.3242,
0.4100

■ 87.9780, 0.3242,
0.4100

■ 84.7423, 0.3272,
0.4419

■ 91.6719, 0.3205,
0.3798

■ 81.9347, 0.3292,
0.4743


■ 95.8301, 0.3165,
0.3519


■ 79.5392, 0.3299,
0.5057


99.9947, 0.3127,
0.3290

■ 77.5339, 0.3290,
0.5342

 75.8947, 0.3264,
0.5579

 74.5939, 0.3222,
0.5753

 73.5951, 0.3169,
0.5861

 73.5092, 0.3164,
0.5870

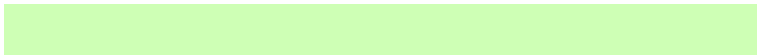
Harmonies

Analogous

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



87.9780, 0.3686, 0.4118



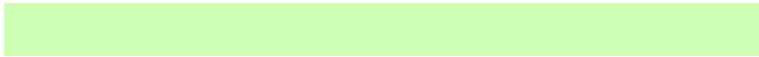
87.9780, 0.3242, 0.4100



87.9780, 0.2787, 0.3806

Triad

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



87.9780, 0.3242, 0.4100



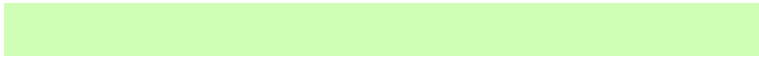
87.9780, 0.2316, 0.2631



87.9780, 0.3853, 0.3176

Complementary

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



87.9780, 0.3242, 0.4100



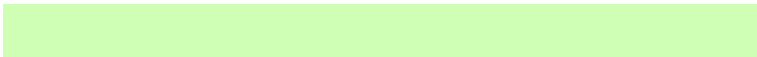
57.0851, 0.2968, 0.2522

Split Complementary

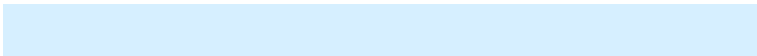
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9780, 0.3436, 0.2844



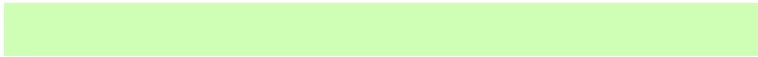
87.9780, 0.3242, 0.4100



87.9780, 0.2555, 0.2534

Square

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



87.9780, 0.3242, 0.4100



87.9780, 0.2275, 0.2914



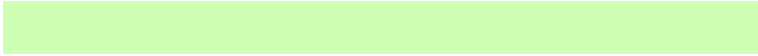
87.9780, 0.2956, 0.2615



87.9780, 0.4061, 0.3552

Rectangle

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



87.9780, 0.3242, 0.4100



87.9780, 0.2537, 0.3507



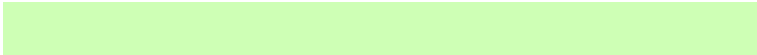
87.9780, 0.2956, 0.2615



87.9780, 0.3731, 0.3057

Sweetspot

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



87.9818, 0.3242, 0.4100



95.8429, 0.3165, 0.3519



80.6882, 0.3636, 0.3779



20.3784, 0.3171, 0.3558



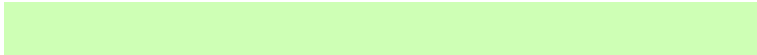
0.0000, 0.0000, 0.0000



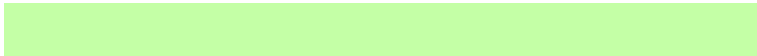
21.4041, 0.3127, 0.3290

Same Dimension

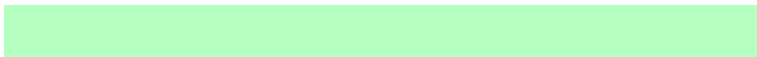
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9818, 0.3242, 0.4100



85.9956, 0.3261, 0.4289



85.1504, 0.3028, 0.4008



20.4670, 0.3167, 0.3532



38.4862, 0.3175, 0.5861



3.8046, 0.3260, 0.5793

Inverse Universe

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



57.0851, 0.2968, 0.2522



50.3740, 0.2926, 0.2354



60.8359, 0.3245, 0.2665



17.9744, 0.3083, 0.3052



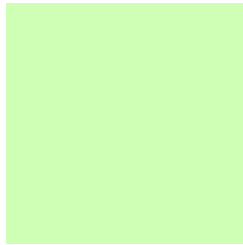
8.2459, 0.2369, 0.1079



0.8630, 0.2466, 0.1132

Previews

White Background



This preview shows how the Yxy color 87.9780, 0.3242, 0.4100 looks on a white background.

Color Contrast Check

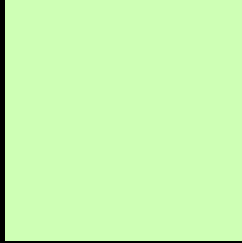
Large Text (above 18pt) WCAG AA × Fail

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 87.9780, 0.3242, 0.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

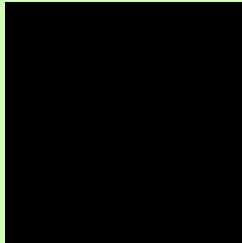
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

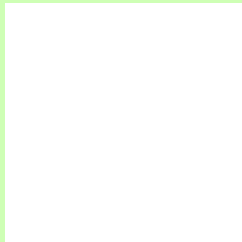
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9780, 0.3242, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 87.9780, 0.3242, 0.4100.

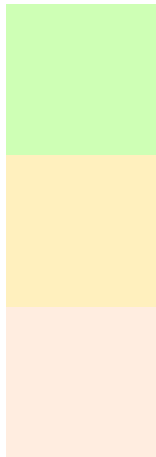


This preview shows how white text looks on a background with the Yxy color 87.9780, 0.3242, 0.4100.

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

87.9780, 0.3242, 0.4100

Protanopia

87.2979, 0.3548, 0.3791

Deuteranopia

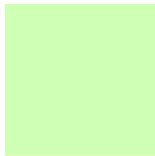
87.2102, 0.3332, 0.3419



Tritanopia

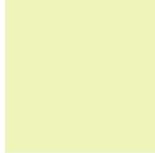
87.8152, 0.2962, 0.3169

Trichromacy



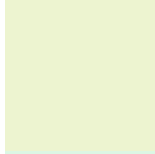
Original Color

87.9780, 0.3242, 0.4100



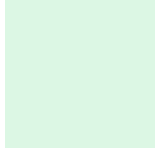
Protanomaly

86.8972, 0.3430, 0.3893



Deuteranomaly

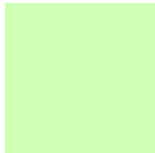
87.2600, 0.3301, 0.3662



Tritanomaly

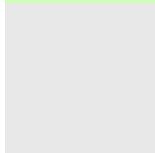
87.3386, 0.3067, 0.3489

Monochromacy



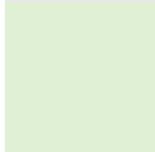
Original Color

87.9780, 0.3242, 0.4100



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.8122, 0.3180, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9780, 0.3242, 0.4100 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(206, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 181)  
}
```

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(206, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 87.9780, 0.3242, 0.4100 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(206, 255, 181) }
```

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

```
.border{ border-color:rgb(206, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9780, 0.3242, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 181) }
```

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

```
.background{ background-color: rgb(206,  
255, 181) }
```

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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