

Converting Colors

Yxy(87.5880, 0.3243, 0.4132)

Have a look what the booklet for
Yxy(87.5880, 0.3243, 0.4132)
contains.

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Color

Yxy(87.5717, 0.3245, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFB2
RGB	204, 255, 178
RGB Percent	80%, 100%, 70%
CMY	0.2002, 0.0000, 0.3018
CMYK	0.20, 0.00, 0.30, 0.00
HSL	100°, 100%, 85%
HSV	100°, 30%, 100%
XYZ	68.6899, 87.5717, 55.4176
YIQ	230.9730, -5.6790, -34.7590

Conversions

Conversions Part 2

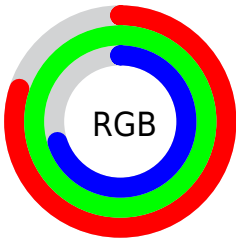
Format	Color
RYB	178, 255, 229
Decimal	13434802
CIELab	94.98, -29.66, 31.66
CIELCh	95, 43.388, 133.134
Yxy	87.5717, 0.3245, 0.4137
Android (android.graphics.Color)	4291624882 (0xFFCCFFB2)
YUV	230.9730, -26.1157, -23.6553
Hunter-Lab	93.5798, -32.7410, 30.3945

Details

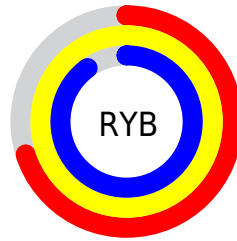
The Yxy color **87.5717, 0.3245, 0.4137** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.7448, 0.2961, 0.2489**, and the grayscale version is **80.0816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **48.2584, 0.3259, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **84.3741, 0.3274, 0.4457**, and if you desaturate by 10%, it is **91.2080, 0.3209, 0.3832**.

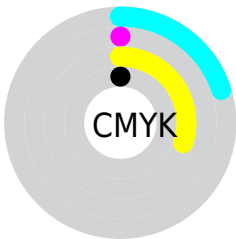
Distribution



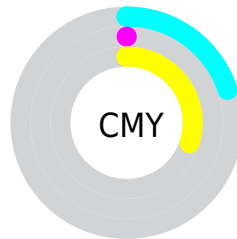
- Red (80%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5717, 0.3245, 0.4137 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 87.5717, 0.3245, 0.4137 by changing the saturation by 10% instead.


 87.5717, 0.3245,
0.4137

 87.5717, 0.3245,
0.4137


520.0996, 0.3203,
0.3741

 65.9684, 0.3251,
0.4228


 143.9607, 0.3233,
0.3999

 48.2468, 0.3258,
0.4340


179.5153, 0.3228,
0.3946

 34.0223, 0.3263,
0.4481

220.4890, 0.3223,
0.3900

 22.9108, 0.3265,
0.4665

267.2663, 0.3218,
0.3860

 14.5276, 0.3261,
0.4913

320.2317, 0.3214,
0.3825

 8.4885, 0.3237,
0.5262


379.7694, 0.3210,


 4.4091, 0.3168,


0.3794


0.5786


446.2639, 0.3206,
0.3766


 1.9049, 0.3091,
0.6909


 0.5514, 0.0000,
1.0000


 87.5717, 0.3245,
0.4137


 87.5717, 0.3245,
0.4137

 84.3741, 0.3274,
0.4457


 91.2080, 0.3209,
0.3832

 81.6131, 0.3292,
0.4781

 95.3174, 0.3169,
0.3550

 79.2630, 0.3297,
0.5093

99.9110, 0.3128,
0.3294

 77.3016, 0.3286,
0.5374

100.0000, 0.3127,
0.3290

■ 75.7043, 0.3258,
0.5604

■ 74.4429, 0.3214,
0.5770

■ 73.4923, 0.3162,
0.5871

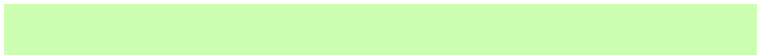
Harmonies

Analogous

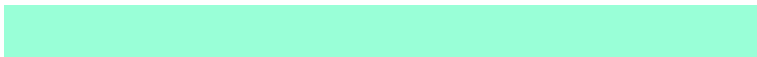
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5717, 0.3708, 0.4153



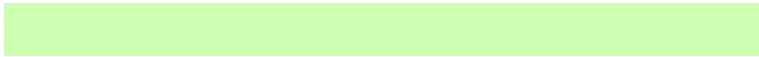
87.5717, 0.3245, 0.4137



87.5717, 0.2772, 0.3829

Triad

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



87.5717, 0.3245, 0.4137



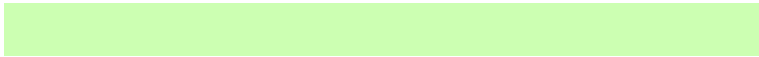
87.5717, 0.2285, 0.2604



87.5717, 0.3884, 0.3170

Complementary

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



87.5717, 0.3245, 0.4137



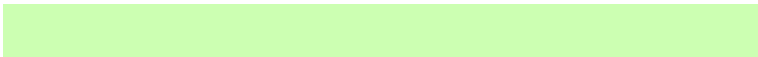
55.7448, 0.2961, 0.2489

Split Complementary

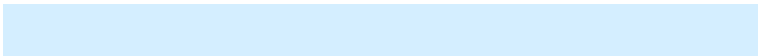
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5717, 0.3448, 0.2826



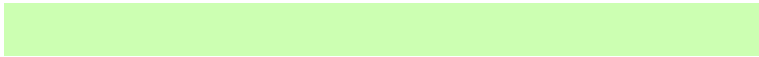
87.5717, 0.3245, 0.4137



87.5717, 0.2531, 0.2505

Square

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



87.5717, 0.3245, 0.4137



87.5717, 0.2242, 0.2897



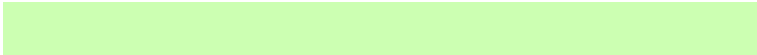
87.5717, 0.2948, 0.2589



87.5717, 0.4101, 0.3560

Rectangle

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



87.5717, 0.3245, 0.4137



87.5717, 0.2513, 0.3515



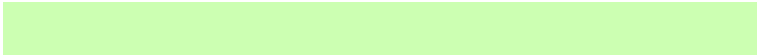
87.5717, 0.2948, 0.2589



87.5717, 0.3757, 0.3047

Sweetspot

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



87.5661, 0.3245, 0.4137



95.8355, 0.3165, 0.3519



79.9961, 0.3659, 0.3799



20.3766, 0.3171, 0.3558



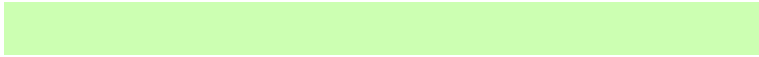
0.0000, 0.0000, 0.0000



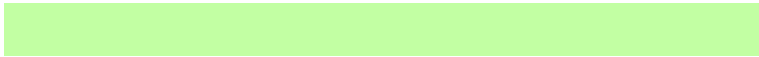
21.4041, 0.3127, 0.3290

Same Dimension

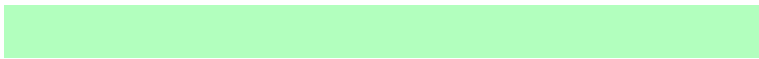
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5661, 0.3245, 0.4137



85.6559, 0.3263, 0.4322



84.6880, 0.3024, 0.4042



20.4653, 0.3167, 0.3532



38.4743, 0.3173, 0.5862



3.8032, 0.3258, 0.5795

Inverse Universe

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



55.7448, 0.2961, 0.2489



49.3466, 0.2920, 0.2326



59.6120, 0.3251, 0.2640



17.9761, 0.3084, 0.3052



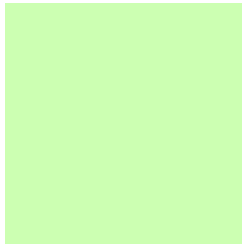
8.2729, 0.2374, 0.1081



0.8655, 0.2470, 0.1134

Previews

White Background



This preview shows how the Yxy color 87.5717, 0.3245, 0.4137 looks on a white background.

Color Contrast Check

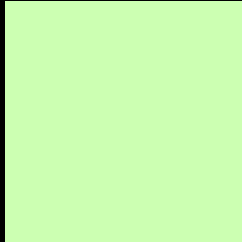
Large Text (above 18pt) WCAG AA × Fail

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 87.5717, 0.3245, 0.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

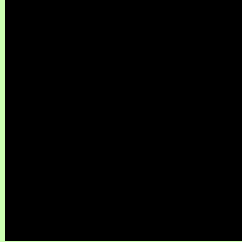
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

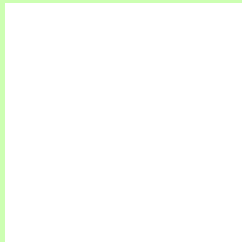
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5717, 0.3245, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 87.5717, 0.3245, 0.4137.

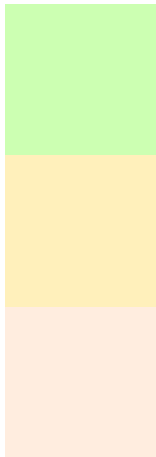


This preview shows how white text looks on a background with the Yxy color 87.5717, 0.3245, 0.4137.

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

87.5717, 0.3245, 0.4137

Protanopia

87.1680, 0.3567, 0.3822

Deuteranopia

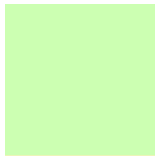
87.1561, 0.3338, 0.3429



Tritanopia

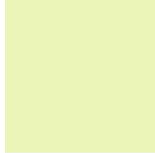
87.4899, 0.2950, 0.3168

Trichromacy



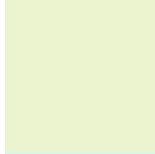
Original Color

87.5717, 0.3245, 0.4137



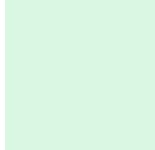
Protanomaly

86.5984, 0.3441, 0.3926



Deuteranomaly

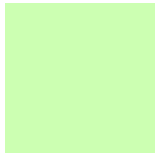
87.0392, 0.3300, 0.3673



Tritanomaly

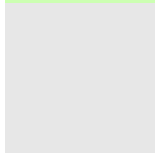
86.9730, 0.3060, 0.3500

Monochromacy



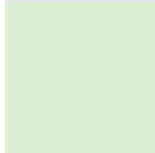
Original Color

87.5717, 0.3245, 0.4137



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4458, 0.3173, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5717, 0.3245, 0.4137 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(204, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 178)  
}
```

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(204, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 87.5717, 0.3245, 0.4137 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(204, 255, 178) }
```

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

```
.border{ border-color:rgb(204, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5717, 0.3245, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 178) }
```

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

```
.background{ background-color: rgb(204,  
255, 178) }
```

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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