

Converting Colors

$Y_{xy}(100.0000, 0.3273, 0.4412)$

Have a look what the booklet for
Yxy(100.0000, 0.3273, 0.4412)
contains.

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Color

Yxy(87.1845, 0.3300, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFA8
RGB	204, 255, 168
RGB Percent	80%, 100%, 66%
CMY	0.2001, 0.0000, 0.3410
CMYK	0.20, 0.00, 0.34, 0.00
HSL	95°, 100%, 83%
HSV	95°, 34%, 100%
XYZ	67.7281, 87.1845, 50.3240
YIQ	229.8330, -2.4690, -37.8690

Conversions

Conversions Part 2

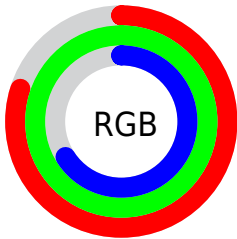
Format	Color
RYB	168, 255, 219
Decimal	13434792
CIELab	94.82, -31.06, 36.43
CIELCh	95, 47.875, 130.453
Yxy	87.1845, 0.3300, 0.4248
Android (android.graphics.Color)	4291624872 (0xFFCCFFA8)
YUV	229.8330, -30.4837, -22.6555
Hunter-Lab	93.3726, -33.9267, 33.4060

Details

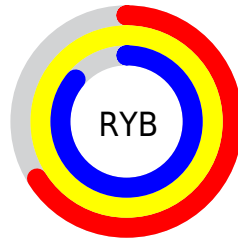
The Yxy color **87.1845, 0.3300, 0.4248** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.3112, 0.2882, 0.2365**, and the grayscale version is **79.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **47.9219, 0.3317, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **84.3102, 0.3337, 0.4562**, and if you desaturate by 10%, it is **90.4453, 0.3254, 0.3943**.

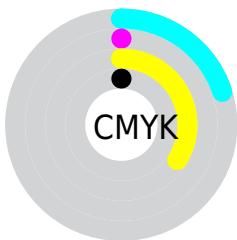
Distribution



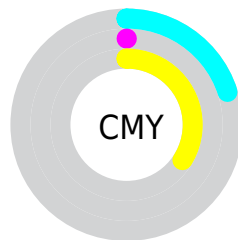
- Red (80%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1845, 0.3300, 0.4248 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 87.1845, 0.3300, 0.4248 by changing the saturation by 10% instead.

 87.1845, 0.3300,
0.4248

 87.1845, 0.3300,
0.4248


518.8289, 0.3236,
0.3800

 65.6479, 0.3310,
0.4351


 143.4213, 0.3281,
0.4092

 47.9866, 0.3321,
0.4477


178.8902, 0.3273,
0.4032

 33.8163, 0.3330,
0.4636


219.7721, 0.3266,
0.3979

 22.7525, 0.3336,
0.4843

266.4513, 0.3259,
0.3934

 14.4109, 0.3332,
0.5119

319.3122, 0.3252,
0.3894

 8.4070, 0.3305,
0.5501


378.7391, 0.3247,


 4.3565, 0.3250,


0.3859


0.6125


445.1166, 0.3241,
0.3828

 1.8749, 0.2993,
0.7007


 0.5332, 0.0000,
1.0000


 87.1845, 0.3300,
0.4248


 87.1845, 0.3300,
0.4248


 84.3102, 0.3337,
0.4562


 90.4453, 0.3254,
0.3943

 81.8102, 0.3361,
0.4872

 94.1126, 0.3203,
0.3656

 79.6650, 0.3369,
0.5163

 98.1995, 0.3149,
0.3391

 77.8548, 0.3357,
0.5415

100.0000, 0.3127,
0.3290

■ 76.3572, 0.3326,
0.5615

■ 75.1458, 0.3277,
0.5751

■ 74.5463, 0.3243,
0.5807

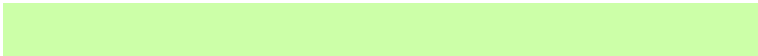
Harmonies

Analogous

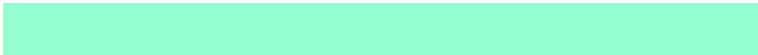
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1845, 0.3803, 0.4227



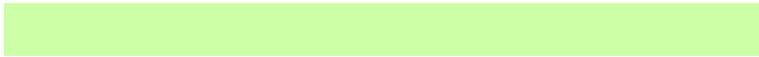
87.1845, 0.3300, 0.4248



87.1845, 0.2775, 0.3932

Triad

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



87.1845, 0.3300, 0.4248



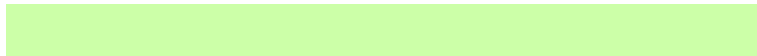
87.1845, 0.2192, 0.2555



87.1845, 0.3929, 0.3118

Complementary

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



87.1845, 0.3300, 0.4248



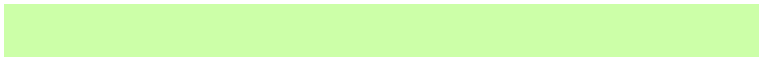
50.3112, 0.2882, 0.2365

Split Complementary

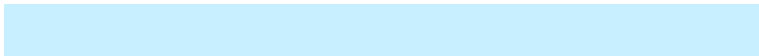
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1845, 0.3430, 0.2753



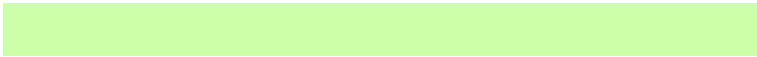
87.1845, 0.3300, 0.4248



87.1845, 0.2440, 0.2432

Square

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



87.1845, 0.3300, 0.4248



87.1845, 0.2165, 0.2890



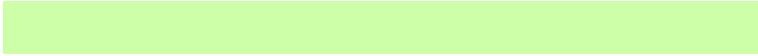
87.1845, 0.2881, 0.2509



87.1845, 0.4195, 0.3541

Rectangle

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



87.1845, 0.3300, 0.4248



87.1845, 0.2484, 0.3587



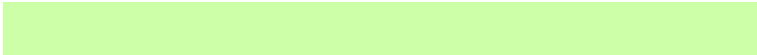
87.1845, 0.2881, 0.2509



87.1845, 0.3781, 0.2987

Sweetspot

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



87.1830, 0.3300, 0.4248



95.7370, 0.3181, 0.3544



74.6307, 0.3758, 0.3811



20.3708, 0.3189, 0.3582



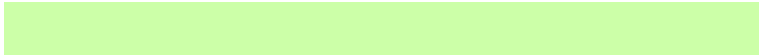
0.0000, 0.0000, 0.0000



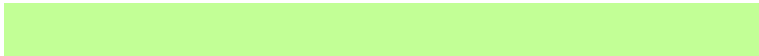
21.4041, 0.3127, 0.3290

Same Dimension

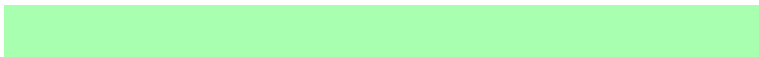
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1830, 0.3300, 0.4248



85.1603, 0.3327, 0.4464



82.9560, 0.3042, 0.4228



20.5347, 0.3178, 0.3531



39.0345, 0.3255, 0.5798



3.8628, 0.3343, 0.5728

Inverse Universe

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



50.3112, 0.2882, 0.2365



43.1431, 0.2817, 0.2165



56.0431, 0.3224, 0.2504



17.9044, 0.3071, 0.3051



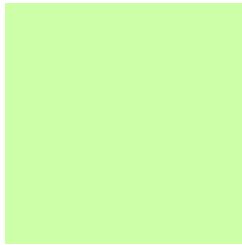
7.2315, 0.2200, 0.0986



0.7682, 0.2312, 0.1047

Previews

White Background



This preview shows how the Yxy color 87.1845, 0.3300, 0.4248 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 87.1845, 0.3300, 0.4248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

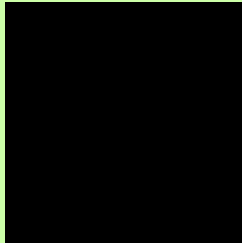
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

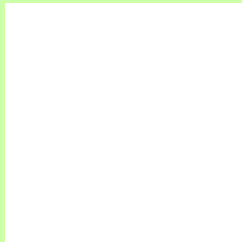
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1845, 0.3300, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 87.1845, 0.3300, 0.4248.

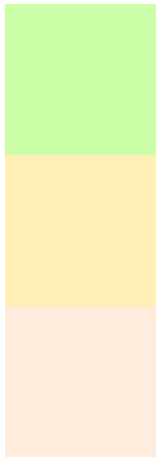


This preview shows how white text looks on a background with the Yxy color 87.1845, 0.3300, 0.4248.

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

87.1845, 0.3300, 0.4248

Protanopia

86.4119, 0.3596, 0.3853

Deuteranopia

86.4182, 0.3359, 0.3449



Tritanopia

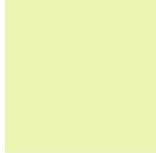
86.8930, 0.2950, 0.3158

Trichromacy



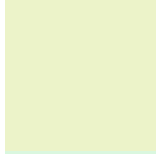
Original Color

87.1845, 0.3300, 0.4248



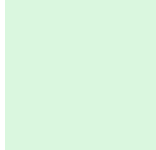
Protanomaly

86.3520, 0.3478, 0.3989



Deuteranomaly

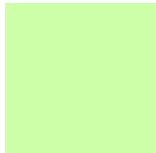
86.1511, 0.3339, 0.3727



Tritanomaly

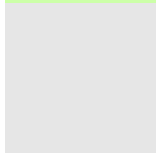
86.7547, 0.3084, 0.3544

Monochromacy



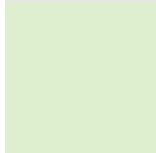
Original Color

87.1845, 0.3300, 0.4248



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6101, 0.3204, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1845, 0.3300, 0.4248 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 87.1845, 0.3300, 0.4248 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, 168) }
```

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

```
.border{ border-color:rgb(204, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1845, 0.3300, 0.4248 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, 168) }
```

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

```
.background{ background-color: rgb(204,  
255, 168) }
```

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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