

Converting Colors

$Yxy(87.3235, 0.3363, 0.4329)$

Have a look what the booklet for
Yxy(87.3235, 0.3363, 0.4329)
contains.

Yxy(87.3235, 0.3363, 0.4329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.3235, 0.3363, 0.4329)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFA0
RGB	207, 255, 160
RGB Percent	81%, 100%, 63%
CMY	0.1883, 0.0000, 0.3724
CMYK	0.19, 0.00, 0.37, 0.00
HSL	90°, 100%, 81%
HSV	90°, 37%, 100%
XYZ	67.8376, 87.3235, 46.5564
YIQ	229.8180, 1.8870, -39.7210

Conversions

Conversions Part 2

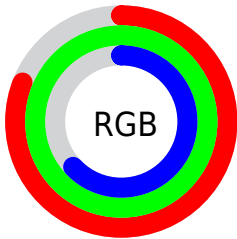
Format	Color
RYB	160, 255, 208
Decimal	13631392
CIELab	94.88, -31.08, 40.49
CIELCh	95, 51.042, 127.505
Yxy	87.3235, 0.3363, 0.4329
Android (android.graphics.Color)	4291821472 (0xFFCFFFA0)
YUV	229.8180, -34.4203, -20.0114
Hunter-Lab	93.4470, -33.9508, 35.8740

Details

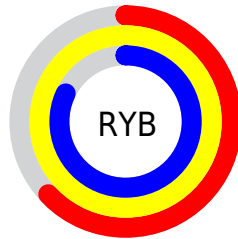
The Yxy color **87.3235, 0.3363, 0.4329** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.7950, 0.2792, 0.2257**, and the grayscale version is **79.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **48.0290, 0.3393, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **84.7383, 0.3410, 0.4632**, and if you desaturate by 10%, it is **90.2429, 0.3306, 0.4028**.

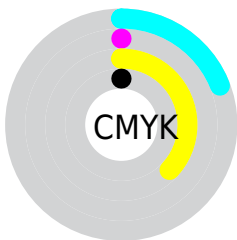
Distribution



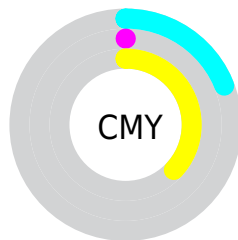
- Red (81%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (82%)



- Cyan (19%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3235, 0.3363, 0.4329 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 87.3235, 0.3363, 0.4329 by changing the saturation by 10% instead.

 87.3235, 0.3363,
0.4329


 87.3235, 0.3363,
0.4329

519.2853, 0.3274,
0.3844

 65.7630, 0.3378,
0.4439


 143.6150, 0.3336,
0.4161

 48.0800, 0.3393,
0.4575


 179.1147, 0.3325,
0.4095

 33.8902, 0.3408,
0.4745


220.0295, 0.3314,
0.4039

 22.8093, 0.3420,
0.4964

266.7440, 0.3305,
0.3990

 14.4528, 0.3421,
0.5254

319.6424, 0.3296,
0.3946

 8.4362, 0.3394,
0.5647

379.1091, 0.3288,

 4.3753, 0.3384,

0.3908

0.6372

445.5286, 0.3281,
0.3874

■ 1.8857, 0.2996,
0.7004

■ 0.5397, 0.0000,
1.0000

■ 87.3235, 0.3363,
0.4329

■ 87.3235, 0.3363,
0.4329

■ 84.7383, 0.3410,
0.4632

■ 90.2429, 0.3306,
0.4028

■ 82.4731, 0.3441,
0.4925

■ 93.5111, 0.3242,
0.3740

■ 80.5116, 0.3453,
0.5192

■ 97.1407, 0.3176,
0.3471

■ 78.8355, 0.3444,
0.5417

100.0000, 0.3127,
0.3290

■ 77.4242, 0.3412,
0.5588

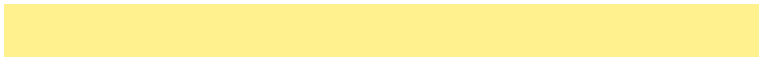
■ 76.2518, 0.3361,
0.5701

■ 75.9606, 0.3345,
0.5726

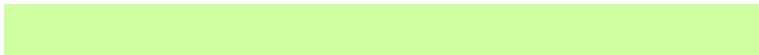
Harmonies

Analogous

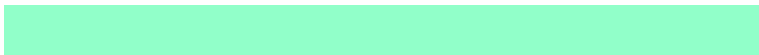
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3235, 0.3887, 0.4266



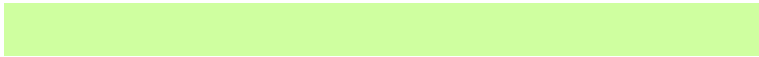
87.3235, 0.3363, 0.4329



87.3235, 0.2802, 0.4026

Triad

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



87.3235, 0.3363, 0.4329



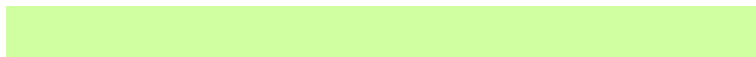
87.3235, 0.2124, 0.2533



87.3235, 0.3938, 0.3063

Complementary

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



87.3235, 0.3363, 0.4329



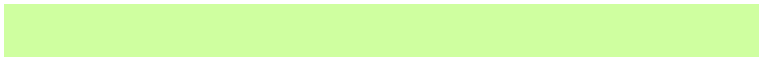
45.7950, 0.2792, 0.2257

Split Complementary

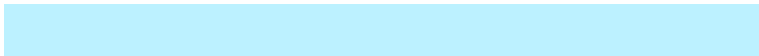
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3235, 0.3390, 0.2689



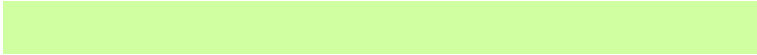
87.3235, 0.3363, 0.4329



87.3235, 0.2363, 0.2385

Square

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



87.3235, 0.3363, 0.4329



87.3235, 0.2119, 0.2907



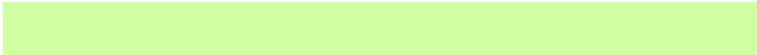
87.3235, 0.2810, 0.2447



87.3235, 0.4253, 0.3506

Rectangle

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



87.3235, 0.3363, 0.4329



87.3235, 0.2483, 0.3665



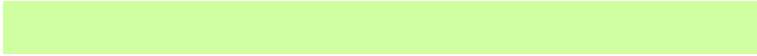
87.3235, 0.2810, 0.2447



87.3235, 0.3772, 0.2928

Sweetspot

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



87.3233, 0.3363, 0.4329



95.7319, 0.3201, 0.3570



68.6787, 0.3857, 0.3783



20.3846, 0.3210, 0.3606



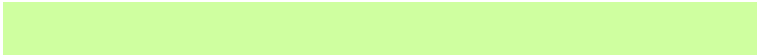
0.0000, 0.0000, 0.0000



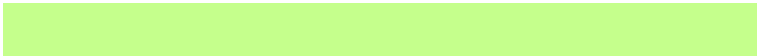
21.4041, 0.3127, 0.3290

Same Dimension

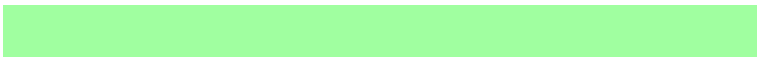
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3233, 0.3363, 0.4329



85.2884, 0.3400, 0.4565



81.5377, 0.3074, 0.4427



20.6091, 0.3191, 0.3530



39.7796, 0.3357, 0.5717



3.9380, 0.3443, 0.5649

Inverse Universe

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



45.7950, 0.2792, 0.2257



38.0919, 0.2701, 0.2024



53.6369, 0.3171, 0.2366



17.8291, 0.3058, 0.3050



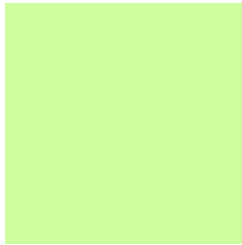
6.2976, 0.2032, 0.0893



0.6782, 0.2154, 0.0960

Previews

White Background



This preview shows how the Yxy color 87.3235, 0.3363, 0.4329 looks on a white background.

Color Contrast Check

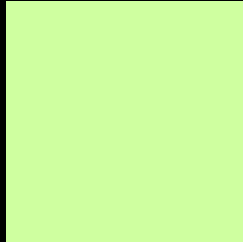
Large Text (above 18pt) WCAG AA × Fail

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 87.3235, 0.3363, 0.4329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

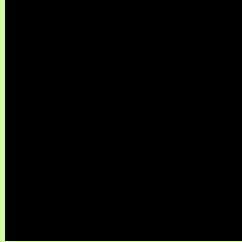
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

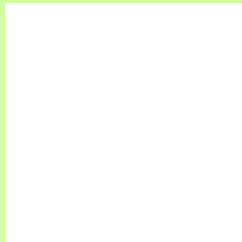
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3235, 0.3363, 0.4329

Background



This preview shows how black text looks on a background with the Yxy color 87.3235, 0.3363, 0.4329.

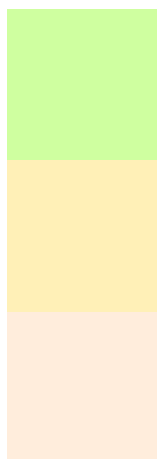


This preview shows how white text looks on a background with the Yxy color 87.3235, 0.3363, 0.4329.

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

87.3235, 0.3363, 0.4329

Protanopia

86.9991, 0.3593, 0.3862

Deuteranopia

86.9957, 0.3358, 0.3459



Tritanopia

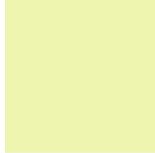
87.2182, 0.2962, 0.3158

Trichromacy



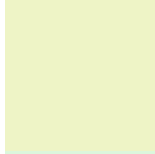
Original Color

87.3235, 0.3363, 0.4329



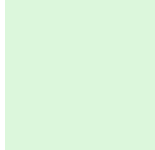
Protanomaly

86.5771, 0.3510, 0.4017



Deuteranomaly

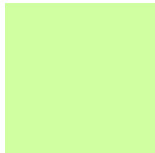
86.9557, 0.3370, 0.3766



Tritanomaly

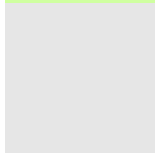
86.9045, 0.3114, 0.3575

Monochromacy



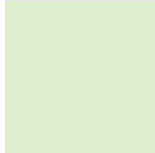
Original Color

87.3235, 0.3363, 0.4329



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6704, 0.3223, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3235, 0.3363, 0.4329 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(207, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 160)  
}
```

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(207, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 87.3235, 0.3363, 0.4329 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(207, 255, 160) }
```

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

```
.border{ border-color:rgb(207, 255, 160) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3235, 0.3363, 0.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 160) }
```

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

```
.background{ background-color: rgb(207,  
255, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor