

Converting Colors

$Yxy(86.7907, 0.3332, 0.4327)$

Have a look what the booklet for
Yxy(86.7907, 0.3332, 0.4327)
contains.

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Color

Yxy(86.7897, 0.3332, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFA1
RGB	203, 255, 161
RGB Percent	80%, 100%, 63%
CMY	0.2037, 0.0000, 0.3686
CMYK	0.20, 0.00, 0.37, 0.00
HSL	93°, 100%, 82%
HSV	93°, 37%, 100%
XYZ	66.8323, 86.7897, 46.9551
YIQ	228.7360, -0.8180, -40.2580

Conversions

Conversions Part 2

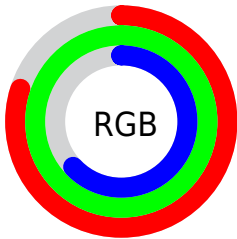
Format	Color
RYB	161, 255, 213
Decimal	13369249
CIELab	94.65, -32.32, 39.67
CIELCh	95, 51.170, 129.168
Yxy	86.7897, 0.3332, 0.4327
Android (android.graphics.Color)	4291559329 (0xFFCBBFA1)
YUV	228.7360, -33.3938, -22.5705
Hunter-Lab	93.1610, -34.9785, 35.3293

Details

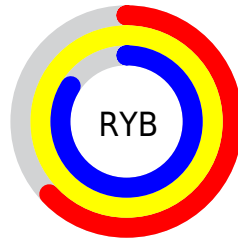
The Yxy color **86.7897, 0.3332, 0.4327** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.8567, 0.2831, 0.2278**, and the grayscale version is **78.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **47.6739, 0.3354, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **84.0931, 0.3371, 0.4637**, and if you desaturate by 10%, it is **89.8573, 0.3282, 0.4022**.

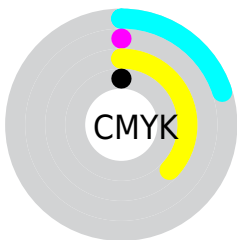
Distribution



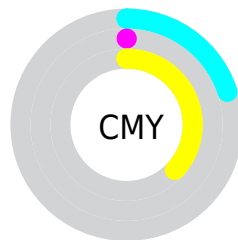
- Red (80%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7897, 0.3332, 0.4327 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 86.7897, 0.3332, 0.4327 by changing the saturation by 10% instead.


 86.7897, 0.3332,
0.4327

 86.7897, 0.3332,
0.4327

517.5316, 0.3257,
0.3841

 65.3212, 0.3344,
0.4438


 142.8710, 0.3310,
0.4158

 47.7216, 0.3356,
0.4575


 178.2525, 0.3300,
0.4092

 33.6064, 0.3367,
0.4747


219.0406, 0.3291,
0.4036

 22.5914, 0.3373,
0.4969

265.6195, 0.3283,
0.3987

 14.2921, 0.3367,
0.5263

318.3736, 0.3276,
0.3944

 8.3241, 0.3331,
0.5667

377.6874, 0.3269,

 4.3030, 0.3302,

0.3906

0.6404


443.9453, 0.3262,
0.3872


 1.8445, 0.2897,
0.7103


 0.5147, 0.0000,
1.0000


 86.7897, 0.3332,
0.4327


 86.7897, 0.3332,
0.4327


 84.0931, 0.3371,
0.4637

 89.8573, 0.3282,
0.4022

 81.7401, 0.3396,
0.4938

 93.2993, 0.3227,
0.3732

 79.7171, 0.3403,
0.5214

 97.1336, 0.3168,
0.3462

 78.0047, 0.3389,
0.5449

99.9964, 0.3127,
0.3290

■ 76.5809, 0.3354,
0.5628

■ 75.4190, 0.3302,
0.5746

■ 75.0967, 0.3284,
0.5775

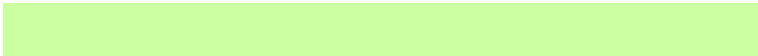
Harmonies

Analogous

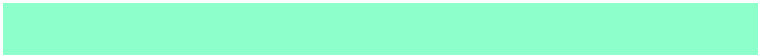
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7897, 0.3865, 0.4282



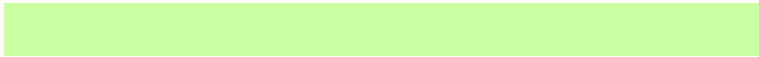
86.7897, 0.3332, 0.4327



86.7897, 0.2771, 0.4003

Triad

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



86.7897, 0.3332, 0.4327



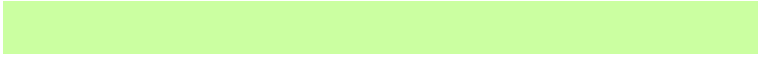
86.7897, 0.2127, 0.2515



86.7897, 0.3967, 0.3086

Complementary

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



86.7897, 0.3332, 0.4327



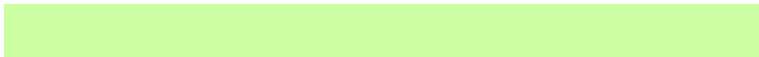
46.8567, 0.2831, 0.2278

Split Complementary

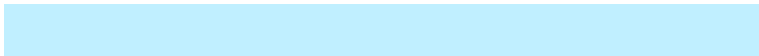
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7897, 0.3424, 0.2705



86.7897, 0.3332, 0.4327



86.7897, 0.2379, 0.2379

Square

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



86.7897, 0.3332, 0.4327



86.7897, 0.2109, 0.2879



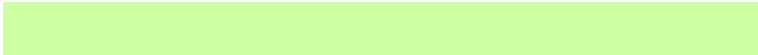
86.7897, 0.2839, 0.2453



86.7897, 0.4266, 0.3531

Rectangle

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



86.7897, 0.3332, 0.4327



86.7897, 0.2457, 0.3633



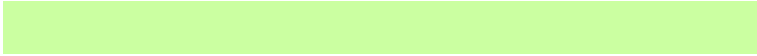
86.7897, 0.2839, 0.2453



86.7897, 0.3804, 0.2948

Sweetspot

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



86.7935, 0.3332, 0.4327



95.5003, 0.3192, 0.3571



71.2731, 0.3830, 0.3824



20.3295, 0.3200, 0.3607



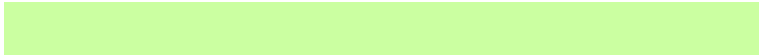
0.0000, 0.0000, 0.0000



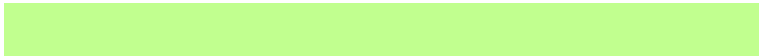
21.4041, 0.3127, 0.3290

Same Dimension

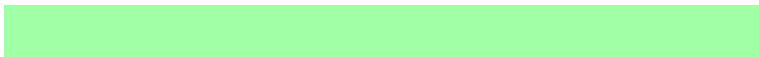
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7935, 0.3332, 0.4327



84.8319, 0.3361, 0.4549



81.8382, 0.3051, 0.4356



20.5658, 0.3184, 0.3531



39.3271, 0.3296, 0.5765



3.8928, 0.3383, 0.5696

Inverse Universe

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



46.8567, 0.2831, 0.2278



39.7585, 0.2756, 0.2068



53.6758, 0.3208, 0.2415



17.8727, 0.3066, 0.3051



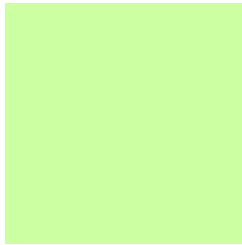
6.8194, 0.2128, 0.0946



0.7288, 0.2244, 0.1010

Previews

White Background



This preview shows how the Yxy color 86.7897, 0.3332, 0.4327 looks on a white background.

Color Contrast Check

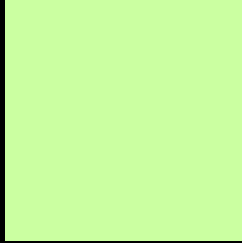
Large Text (above 18pt) WCAG AA × Fail

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 86.7897, 0.3332, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

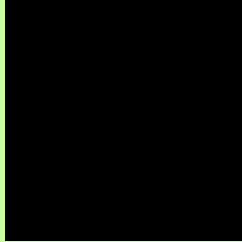
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

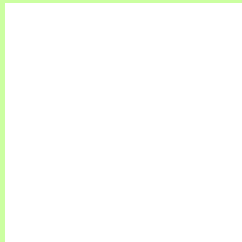
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7897, 0.3332, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 86.7897, 0.3332, 0.4327.

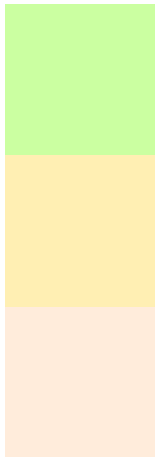


This preview shows how white text looks on a background with the Yxy color 86.7897, 0.3332, 0.4327.

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

86.7897, 0.3332, 0.4327

Protanopia

86.2477, 0.3622, 0.3893

Deuteranopia

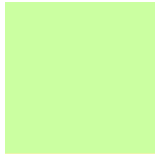
86.3654, 0.3366, 0.3460



Tritanopia

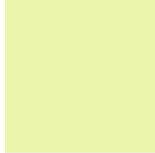
86.7318, 0.2944, 0.3158

Trichromacy



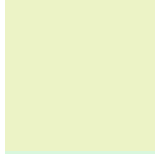
Original Color

86.7897, 0.3332, 0.4327



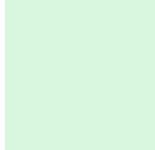
Protanomaly

86.1162, 0.3514, 0.4052



Deuteranomaly

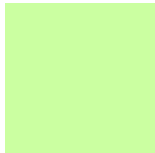
86.0113, 0.3358, 0.3759



Tritanomaly

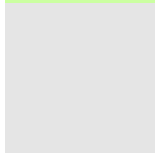
86.4937, 0.3089, 0.3566

Monochromacy



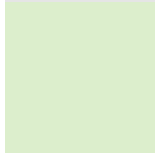
Original Color

86.7897, 0.3332, 0.4327



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7243, 0.3217, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7897, 0.3332, 0.4327 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(203, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 161)  
}
```

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(203, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 86.7897, 0.3332, 0.4327 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(203, 255, 161) }
```

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

```
.border{ border-color:rgb(203, 255, 161) }
```

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

Here you see how a box with a 4 pixel rgb(203, 255, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7897, 0.3332, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 161) }
```

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

```
.background{ background-color: rgb(203,  
255, 161) }
```

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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