

Converting Colors

$Yxy(86.9715, 0.3316, 0.4237)$

Have a look what the booklet for
Yxy(86.9715, 0.3316, 0.4237)
contains.

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Color

Yxy(86.8326, 0.3315, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	CEFEA8
RGB	206, 254, 168
RGB Percent	81%, 100%, 66%
CMY	0.1921, 0.0039, 0.3411
CMYK	0.19, 0.00, 0.34, 0.00
HSL	93°, 98%, 83%
HSV	93°, 34%, 100%
XYZ	67.9693, 86.8326, 50.2337
YIQ	229.8440, -1.0020, -36.9220

Conversions

Conversions Part 2

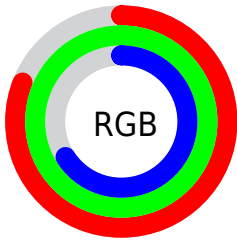
Format	Color
RYB	168, 254, 216
Decimal	13565608
CIELab	94.67, -29.89, 36.27
CIELCh	95, 46.995, 129.495
Yxy	86.8326, 0.3315, 0.4235
Android (android.graphics.Color)	4291755688 (0xFFCEFEA8)
YUV	229.8440, -30.4891, -20.9112
Hunter-Lab	93.1840, -32.8724, 33.2667

Details

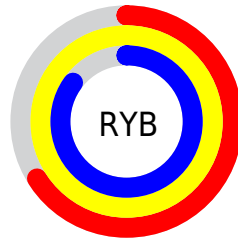
The Yxy color **86.8326, 0.3315, 0.4235** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.7684, 0.2865, 0.2368**, and the grayscale version is **79.2458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **47.6543, 0.3336, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **84.0418, 0.3357, 0.4545**, and if you desaturate by 10%, it is **89.9988, 0.3264, 0.3933**.

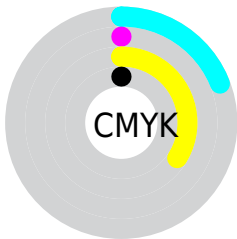
Distribution



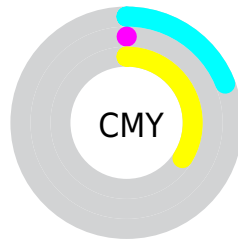
- Red (81%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (85%)



- Cyan (19%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8326, 0.3315, 0.4235 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 86.8326, 0.3315, 0.4235 by changing the saturation by 10% instead.

 86.8326, 0.3315,
0.4235

 86.8326, 0.3315,
0.4235

517.6726, 0.3244,
0.3793

 65.3567, 0.3327,
0.4336

 142.9308, 0.3294,
0.4081

 47.7504, 0.3339,
0.4461


178.3219, 0.3285,
0.4022

 33.6292, 0.3351,
0.4617


219.1201, 0.3276,
0.3970

 22.6089, 0.3361,
0.4820

265.7099, 0.3269,
0.3926

 14.3050, 0.3362,
0.5092

318.4756, 0.3262,
0.3886

 8.3331, 0.3342,
0.5467


377.8018, 0.3255,


 4.3088, 0.3299,


0.3852


0.6082

444.0726, 0.3250,
0.3821


 1.8478, 0.3057,
0.6943


 0.5167, 0.0000,
1.0000


 86.8326, 0.3315,
0.4235

 86.8326, 0.3315,
0.4235


 84.0418, 0.3357,
0.4545


 89.9988, 0.3264,
0.3933

 81.5995, 0.3386,
0.4851

 93.5436, 0.3208,
0.3648

 79.4925, 0.3398,
0.5138

 97.4846, 0.3150,
0.3385

 77.7021, 0.3390,
0.5387

99.3633, 0.3128,
0.3281

■ 76.2072, 0.3361,
0.5585

■ 74.9831, 0.3313,
0.5721

■ 74.3453, 0.3277,
0.5780

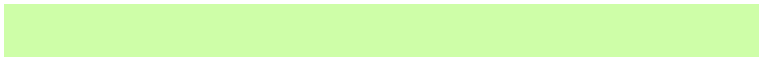
Harmonies

Analogous

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



86.8326, 0.3806, 0.4206



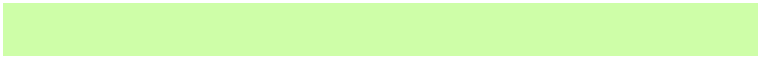
86.8326, 0.3315, 0.4235



86.8326, 0.2797, 0.3935

Triad

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



86.8326, 0.3315, 0.4235



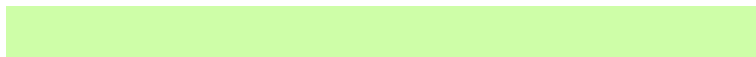
86.8326, 0.2202, 0.2574



86.8326, 0.3902, 0.3109

Complementary

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



86.8326, 0.3315, 0.4235



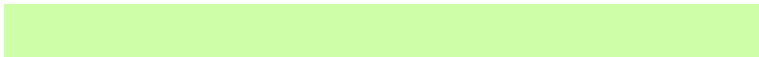
49.7684, 0.2865, 0.2368

Split Complementary

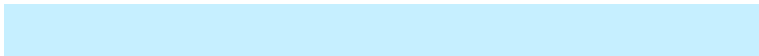
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8326, 0.3408, 0.2752



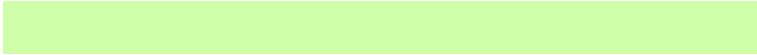
86.8326, 0.3315, 0.4235



86.8326, 0.2440, 0.2446

Square

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



86.8326, 0.3315, 0.4235



86.8326, 0.2183, 0.2912



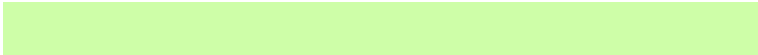
86.8326, 0.2869, 0.2515



86.8326, 0.4174, 0.3525

Rectangle

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



86.8326, 0.3315, 0.4235



86.8326, 0.2506, 0.3600



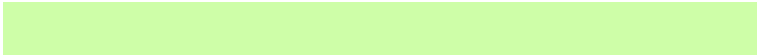
86.8326, 0.2869, 0.2515



86.8326, 0.3754, 0.2980

Sweetspot

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



86.8364, 0.3315, 0.4235



95.8655, 0.3186, 0.3544



72.6577, 0.3762, 0.3779



20.4018, 0.3194, 0.3582



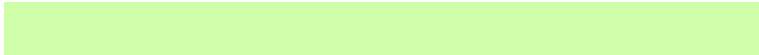
0.0000, 0.0000, 0.0000



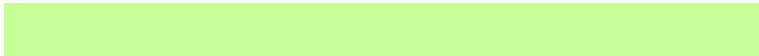
21.4041, 0.3127, 0.3290

Same Dimension

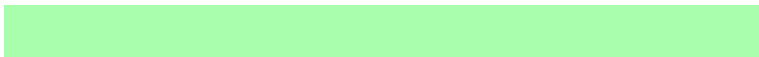
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8364, 0.3315, 0.4235



85.5608, 0.3346, 0.4457



82.2016, 0.3057, 0.4254



20.5609, 0.3183, 0.3531



39.2800, 0.3289, 0.5770



3.8880, 0.3377, 0.5701

Inverse Universe

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



49.7684, 0.2865, 0.2368



42.7015, 0.2792, 0.2158



55.9679, 0.3200, 0.2485



17.8776, 0.3067, 0.3051



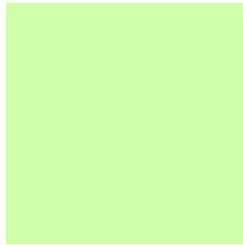
6.8812, 0.2139, 0.0952



0.7348, 0.2254, 0.1016

Previews

White Background



This preview shows how the Yxy color 86.8326, 0.3315, 0.4235 looks on a white background.

Color Contrast Check

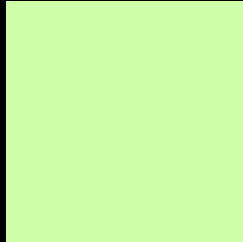
Large Text (above 18pt) WCAG AA × Fail

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 86.8326, 0.3315, 0.4235 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

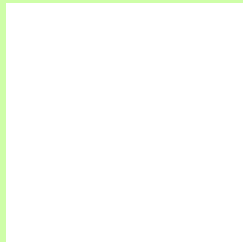
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8326, 0.3315, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 86.8326, 0.3315, 0.4235.

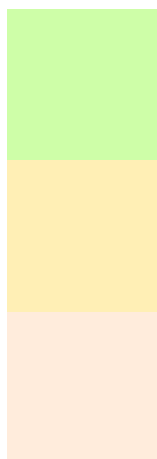


This preview shows how white text looks on a background with the Yxy color 86.8326, 0.3315, 0.4235.

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

86.8326, 0.3315, 0.4235

Protanopia

86.3292, 0.3609, 0.3873

Deuteranopia

86.4182, 0.3359, 0.3449



Tritanopia

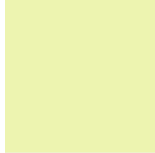
86.2993, 0.2950, 0.3148

Trichromacy



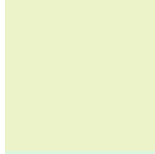
Original Color

86.8326, 0.3315, 0.4235



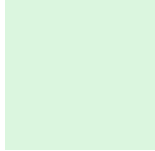
Protanomaly

85.8405, 0.3499, 0.3999



Deuteranomaly

86.3228, 0.3346, 0.3726



Tritanomaly

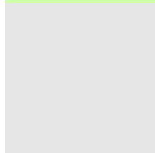
86.2993, 0.3090, 0.3533

Monochromacy



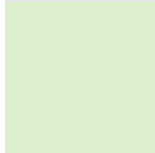
Original Color

86.8326, 0.3315, 0.4235



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 86.8326, 0.3315, 0.4235 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, 254, 168)` looks like.

```
.text, #text, p{  
    color:rgb(206, 254, 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(206, 254, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 254, 168) }
```

Border

The CSS property to change the border of an element to Yxy 86.8326, 0.3315, 0.4235 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, 254, 168) }
```

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

```
.border{ border-color:rgb(206, 254, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 254, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 254, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 254, 168);  
box-shadow:4px 4px 4px 4px rgb(206, 254,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8326, 0.3315, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 254, 168) }
```

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

```
.background{ background-color: rgb(206,  
254, 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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