

Converting Colors

Yxy(86.0764, 0.3316, 0.4223)

Have a look what the booklet for
Yxy(86.0764, 0.3316, 0.4223)
contains.

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Color

Yxy(86.1995, 0.3317, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	CEFDA8
RGB	206, 253, 168
RGB Percent	81%, 99%, 66%
CMY	0.1919, 0.0079, 0.3412
CMYK	0.19, 0.00, 0.34, 0.01
HSL	93°, 95%, 83%
HSV	93°, 34%, 99%
XYZ	67.6582, 86.1995, 50.1165
YIQ	229.2570, -0.7270, -36.3990

Conversions

Conversions Part 2

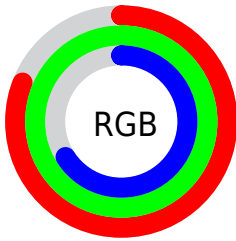
Format	Color
R _{YB}	168, 253, 215
Decimal	13565352
CIE Lab	94.40, -29.41, 35.92
CIE LCh	94, 46.425, 129.309
Yxy	86.1995, 0.3317, 0.4226
Android (android.graphics.Color)	4291755432 (0xFFCEFDA8)
YUV	229.2570, -30.1997, -20.3964
Hunter-Lab	92.8437, -32.3976, 32.9862

Details

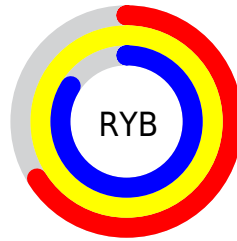
The Yxy color **86.1995, 0.3317, 0.4226** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.5337, 0.2864, 0.2375**, and the grayscale version is **78.7901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **47.2017, 0.3338, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **83.4379, 0.3360, 0.4535**, and if you desaturate by 10%, it is **89.3297, 0.3265, 0.3925**.

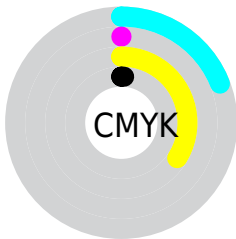
Distribution



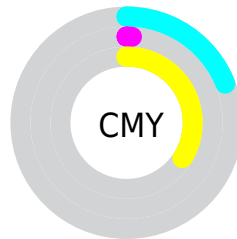
- Red (81%)
- Green (99%)
- Blue (66%)



- Red (66%)
- Yellow (99%)
- Blue (84%)



- Cyan (19%)
- Magenta (0%)
- Yellow (34%)
- Black (1%)





- Cyan (19%)
- Magenta (1%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1995, 0.3317, 0.4226 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 86.1995, 0.3317, 0.4226 by changing the saturation by 10% instead.


 86.1995, 0.3317,
0.4226

 86.1995, 0.3317,
0.4226


515.5888, 0.3245,
0.3788

 64.8330, 0.3329,
0.4326


 142.0479, 0.3295,
0.4074

 47.3256, 0.3342,
0.4450


177.2985, 0.3286,
0.4014

 33.2932, 0.3355,
0.4606


217.9459, 0.3277,
0.3964

 22.3511, 0.3365,
0.4808

264.3745, 0.3270,
0.3919

 14.1151, 0.3368,
0.5078

316.9687, 0.3263,
0.3880

 8.2008, 0.3349,
0.5452


376.1129, 0.3256,


 4.2237, 0.3312,


0.3846


0.6070


442.1914, 0.3250,
0.3815

 1.7995, 0.3070,
0.6930


 0.4868, 0.0000,
1.0000


 86.1995, 0.3317,
0.4226


 86.1995, 0.3317,
0.4226

 83.4379, 0.3360,
0.4535

 89.3297, 0.3265,
0.3925


 81.0186, 0.3390,
0.4841

 92.8317, 0.3208,
0.3641

 78.9285, 0.3404,
0.5127

 96.7225, 0.3149,
0.3379

 77.1495, 0.3397,
0.5377

 98.7261, 0.3128,
0.3271

■ 75.6610, 0.3369,
0.5575

■ 74.4386, 0.3321,
0.5713

■ 73.7757, 0.3285,
0.5774

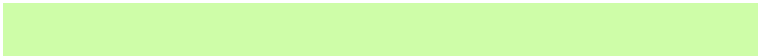
Harmonies

Analogous

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



86.1995, 0.3803, 0.4197



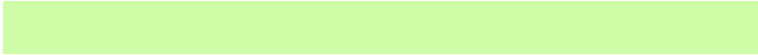
86.1995, 0.3317, 0.4226



86.1995, 0.2804, 0.3931

Triad

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



86.1995, 0.3317, 0.4226



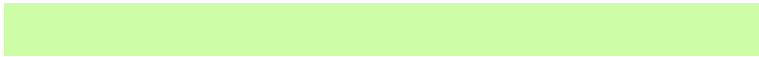
86.1995, 0.2209, 0.2582



86.1995, 0.3892, 0.3108

Complementary

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



86.1995, 0.3317, 0.4226



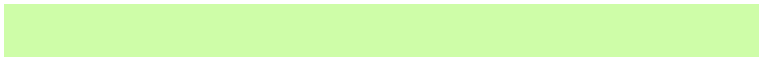
49.5337, 0.2864, 0.2375

Split Complementary

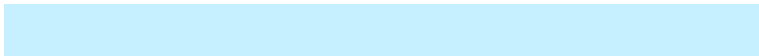
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1995, 0.3402, 0.2754



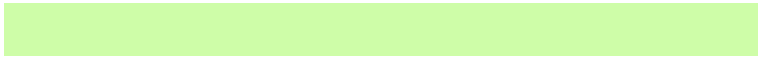
86.1995, 0.3317, 0.4226



86.1995, 0.2444, 0.2454

Square

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



86.1995, 0.3317, 0.4226



86.1995, 0.2192, 0.2918



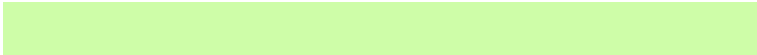
86.1995, 0.2868, 0.2521



86.1995, 0.4163, 0.3521

Rectangle

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



86.1995, 0.3317, 0.4226



86.1995, 0.2515, 0.3600



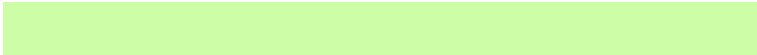
86.1995, 0.2868, 0.2521



86.1995, 0.3745, 0.2981

Sweetspot

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



86.2032, 0.3317, 0.4226



95.8915, 0.3187, 0.3544



72.1800, 0.3756, 0.3775



20.4081, 0.3195, 0.3582



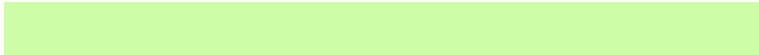
0.0000, 0.0000, 0.0000



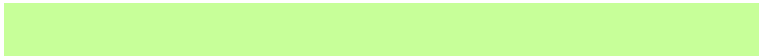
21.4041, 0.3127, 0.3290

Same Dimension

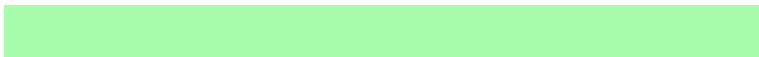
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2032, 0.3317, 0.4226



85.9174, 0.3346, 0.4424



81.5590, 0.3058, 0.4246



20.5663, 0.3184, 0.3531



39.3320, 0.3296, 0.5765



3.8933, 0.3384, 0.5695

Inverse Universe

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



49.5337, 0.2864, 0.2375



43.6055, 0.2798, 0.2186



55.7099, 0.3200, 0.2491



17.8722, 0.3066, 0.3051



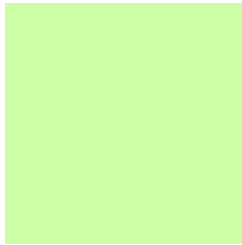
6.8131, 0.2127, 0.0945



0.7282, 0.2243, 0.1009

Previews

White Background



This preview shows how the Yxy color 86.1995, 0.3317, 0.4226 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 86.1995, 0.3317, 0.4226 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

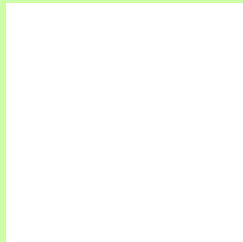
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1995, 0.3317, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 86.1995, 0.3317, 0.4226.

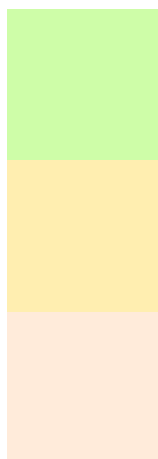


This preview shows how white text looks on a background with the Yxy color 86.1995, 0.3317, 0.4226.

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

86.1995, 0.3317, 0.4226

Protanopia

85.5437, 0.3644, 0.3914

Deuteranopia

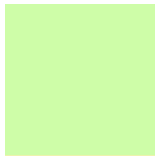
85.7386, 0.3374, 0.3460



Tritanopia

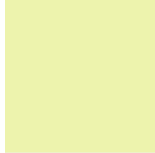
86.1381, 0.2943, 0.3147

Trichromacy



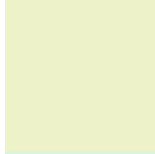
Original Color

86.1995, 0.3317, 0.4226



Protanomaly

85.1228, 0.3520, 0.4021



Deuteranomaly

85.6789, 0.3354, 0.3727



Tritanomaly

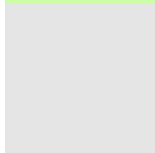
85.5380, 0.3084, 0.3523

Monochromacy



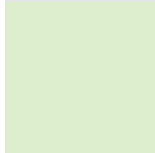
Original Color

86.1995, 0.3317, 0.4226



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.0262, 0.3205, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1995, 0.3317, 0.4226 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, 253, 168)` looks like.

```
.text, #text, p{  
    color:rgb(206, 253, 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, 253, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 168) }
```

Border

The CSS property to change the border of an element to Yxy 86.1995, 0.3317, 0.4226 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, 253, 168) }
```

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

```
.border{ border-color:rgb(206, 253, 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, 253, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 253, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 253, 168);  
box-shadow:4px 4px 4px 4px rgb(206, 253,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1995, 0.3317, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 253, 168) }
```

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

```
.background{ background-color: rgb(206,  
253, 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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