

Converting Colors

$Yxy(89.1061, 0.3265, 0.4332)$

Have a look what the booklet for
Yxy(89.1061, 0.3265, 0.4332)
contains.

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Color

Yxy(86.1069, 0.3272, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFA5
RGB	197, 255, 165
RGB Percent	77%, 100%, 65%
CMY	0.2273, 0.0000, 0.3531
CMYK	0.23, 0.00, 0.35, 0.00
HSL	99°, 100%, 82%
HSV	99°, 35%, 100%
XYZ	65.5824, 86.1069, 48.7458
YIQ	227.3980, -5.6780, -40.2860

Conversions

Conversions Part 2

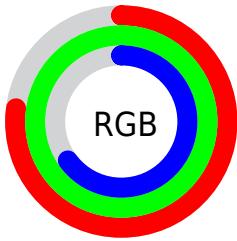
Format	Color
RYB	165, 255, 223
Decimal	12976037
CIELab	94.36, -33.85, 37.27
CIELCh	94, 50.352, 132.247
Yxy	86.1069, 0.3272, 0.4296
Android (android.graphics.Color)	4291166117 (0xFFC5FFA5)
YUV	227.3980, -30.7622, -26.6590
Hunter-Lab	92.7938, -36.2336, 33.8098

Details

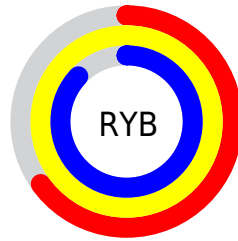
The Yxy color **86.1069, 0.3272, 0.4296** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.7969, 0.2911, 0.2342**, and the grayscale version is **77.3576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **47.3088, 0.3288, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **83.1755, 0.3299, 0.4618**, and if you desaturate by 10%, it is **89.4723, 0.3236, 0.3984**.

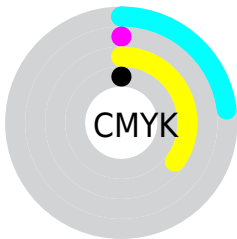
Distribution



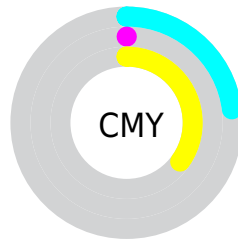
- Red (77%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (87%)



- Cyan (23%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1069, 0.3272, 0.4296 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 86.1069, 0.3272, 0.4296 by changing the saturation by 10% instead.


 86.1069, 0.3272,
0.4296

 86.1069, 0.3272,
0.4296


515.2836, 0.3222,
0.3823

 64.7564, 0.3279,
0.4405


 141.9187, 0.3258,
0.4131

 47.2636, 0.3284,
0.4539


 177.1487, 0.3252,
0.4067

 33.2441, 0.3288,
0.4709


217.7740, 0.3246,
0.4012

 22.3135, 0.3285,
0.4930

264.1790, 0.3241,
0.3964

 14.0874, 0.3269,
0.5226

316.7480, 0.3236,
0.3922

 8.1815, 0.3222,
0.5637


375.8656, 0.3231,


 4.2113, 0.3153,


0.3885


0.6349


441.9160, 0.3227,
0.3852

 1.7925, 0.2763,
0.7237


 0.4825, 0.0000,
1.0000

 86.1069, 0.3272,
0.4296


 86.1069, 0.3272,
0.4296


 83.1755, 0.3299,
0.4618

 89.4723, 0.3236,
0.3984

 80.6481, 0.3313,
0.4935

 93.2779, 0.3195,
0.3691

 78.5080, 0.3312,
0.5231

 97.5439, 0.3151,
0.3422

 76.7330, 0.3294,
0.5485

99.9997, 0.3127,
0.3290

■ 75.2978, 0.3257,
0.5682

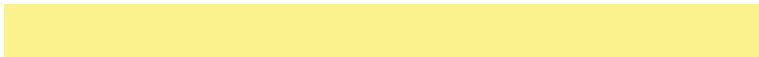
■ 74.1726, 0.3207,
0.5813

■ 73.7350, 0.3181,
0.5856

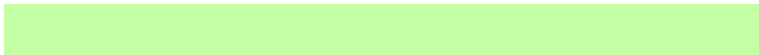
Harmonies

Analogous

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



86.1069, 0.3808, 0.4289



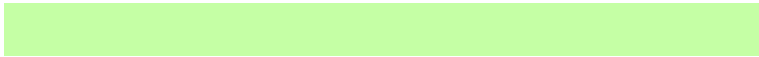
86.1069, 0.3272, 0.4296



86.1069, 0.2724, 0.3942

Triad

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



86.1069, 0.3272, 0.4296



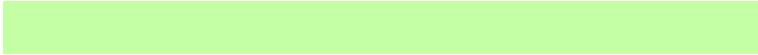
86.1069, 0.2154, 0.2501



86.1069, 0.4000, 0.3132

Complementary

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



86.1069, 0.3272, 0.4296



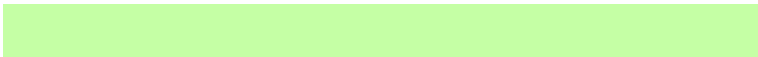
49.7969, 0.2911, 0.2342

Split Complementary

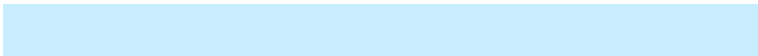
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1069, 0.3481, 0.2746



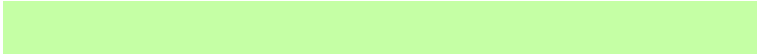
86.1069, 0.3272, 0.4296



86.1069, 0.2427, 0.2388

Square

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



86.1069, 0.3272, 0.4296



86.1069, 0.2112, 0.2838



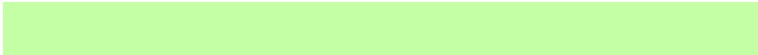
86.1069, 0.2898, 0.2481



86.1069, 0.4262, 0.3576

Rectangle

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



86.1069, 0.3272, 0.4296



86.1069, 0.2425, 0.3568



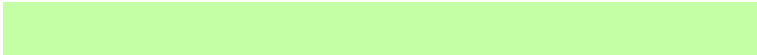
86.1069, 0.2898, 0.2481



86.1069, 0.3847, 0.2994

Sweetspot

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



86.1106, 0.3272, 0.4296



95.0577, 0.3176, 0.3572



76.2121, 0.3769, 0.3874



20.2243, 0.3182, 0.3609



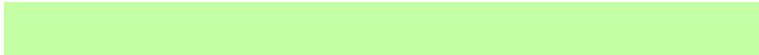
0.0000, 0.0000, 0.0000



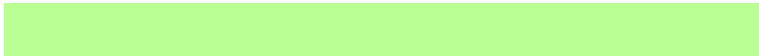
21.4041, 0.3127, 0.3290

Same Dimension

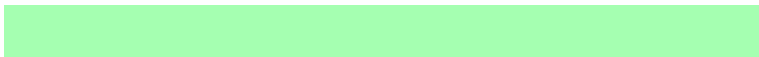
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1106, 0.3272, 0.4296



84.1000, 0.3291, 0.4511



82.6892, 0.3016, 0.4212



20.4829, 0.3170, 0.3532



38.6040, 0.3193, 0.5847



3.8174, 0.3279, 0.5779

Inverse Universe

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



49.7969, 0.2911, 0.2342



43.0976, 0.2857, 0.2153



54.6304, 0.3264, 0.2516



17.9578, 0.3081, 0.3052



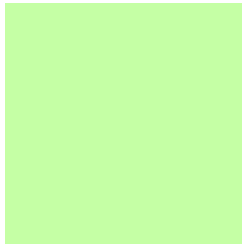
7.9931, 0.2329, 0.1056



0.8396, 0.2429, 0.1112

Previews

White Background



This preview shows how the Yxy color 86.1069, 0.3272, 0.4296 looks on a white background.

Color Contrast Check

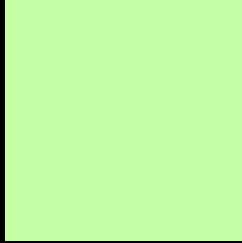
Large Text (above 18pt) WCAG AA × Fail

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 86.1069, 0.3272, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

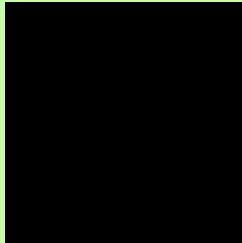
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1069, 0.3272, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 86.1069, 0.3272, 0.4296.

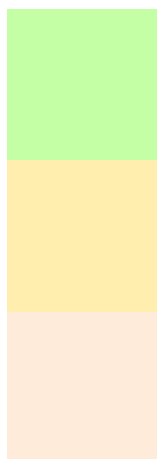


This preview shows how white text looks on a background with the Yxy color 86.1069, 0.3272, 0.4296.

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

86.1069, 0.3272, 0.4296

Protanopia

85.4651, 0.3657, 0.3934

Deuteranopia

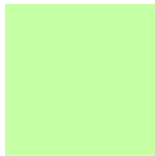
85.6864, 0.3380, 0.3470



Tritanopia

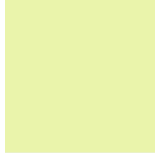
85.5027, 0.2919, 0.3146

Trichromacy



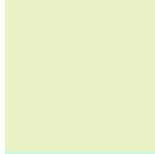
Original Color

86.1069, 0.3272, 0.4296



Protanomaly

85.1341, 0.3509, 0.4057



Deuteranomaly

85.0739, 0.3346, 0.3751



Tritanomaly

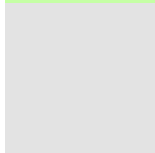
85.1825, 0.3052, 0.3547

Monochromacy



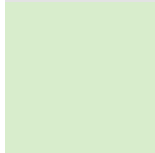
Original Color

86.1069, 0.3272, 0.4296



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.5269, 0.3190, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1069, 0.3272, 0.4296 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(197, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 165)  
}
```

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(197, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 86.1069, 0.3272, 0.4296 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(197, 255, 165) }
```

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

```
.border{ border-color:rgb(197, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1069, 0.3272, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 165) }
```

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

```
.background{ background-color: rgb(197,  
255, 165) }
```

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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