

Converting Colors

Yxy(86.3920, 0.3368, 0.4416)

Have a look what the booklet for
Yxy(86.3920, 0.3368, 0.4416)
contains.

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Color

Yxy(86.3765, 0.3368, 0.4416)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CAFF99 |
| RGB | 202, 255, 153 |
| RGB Percent | 79%, 100%, 60% |
| CMY | 0.2077, 0.0000, 0.3999 |
| CMYK | 0.21, 0.00, 0.40, 0.00 |
| HSL | 91°, 100%, 80% |
| HSV | 91°, 40%, 100% |
| XYZ | 65.8777, 86.3765, 43.3447 |
| YIQ | 227.5250, 1.1540, -42.9580 |

Conversions

Conversions Part 2

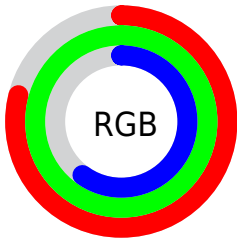
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 153, 255, 206 |
| Decimal | 13303705 |
| CIELab | 94.47, -33.69, 43.35 |
| CIELCh | 94, 54.896, 127.854 |
| Yxy | 86.3765, 0.3368, 0.4416 |
| Android (android.graphics.Color) | 4291493785 (0xFFCAFF99) |
| YUV | 227.5250, -36.7408, -22.3854 |
| Hunter-Lab | 92.9390, -36.1174, 37.4057 |

Details

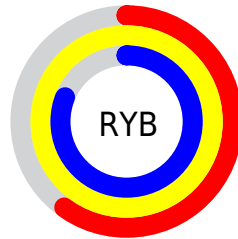
The Yxy color **86.3765, 0.3368, 0.4416** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.1257, 0.2771, 0.2178**, and the grayscale version is **77.5003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **47.4193, 0.3395, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **83.8567, 0.3409, 0.4720**, and if you desaturate by 10%, it is **89.2424, 0.3316, 0.4112**.

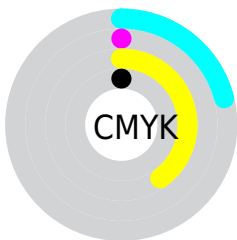
Distribution



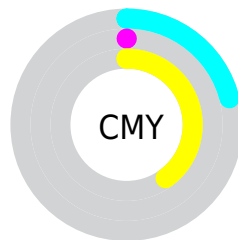
- Red (79%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (81%)



- Cyan (21%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3765, 0.3368, 0.4416 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 86.3765, 0.3368, 0.4416 by changing the saturation by 10% instead.


 86.3765, 0.3368,
0.4416

 86.3765, 0.3368,
0.4416


516.1719, 0.3280,
0.3888

 64.9794, 0.3382,
0.4536


 142.2948, 0.3342,
0.4233

 47.4443, 0.3395,
0.4684


 177.5847, 0.3331,
0.4161

 33.3871, 0.3407,
0.4870

218.2743, 0.3321,
0.4100

 22.4231, 0.3412,
0.5108

264.7480, 0.3311,
0.4046

 14.1681, 0.3402,
0.5421

317.3902, 0.3302,
0.4000

 8.2377, 0.3353,
0.5843


376.5854, 0.3294,


 4.2474, 0.3330,

0.3958


0.6670

442.7178, 0.3287,
0.3921


 1.8129, 0.2787,
0.7213


 0.4952, 0.0000,
1.0000


 86.3765, 0.3368,
0.4416

 86.3765, 0.3368,
0.4416


 83.8567, 0.3409,
0.4720


 89.2424, 0.3316,
0.4112

 81.6561, 0.3433,
0.5009

 92.4573, 0.3256,
0.3819

 79.7614, 0.3438,
0.5268

 96.0386, 0.3192,
0.3543

 78.1537, 0.3421,
0.5482

99.9964, 0.3127,
0.3290

■ 76.8106, 0.3382,
0.5638

■ 75.6988, 0.3327,
0.5740

■ 75.6978, 0.3327,
0.5741

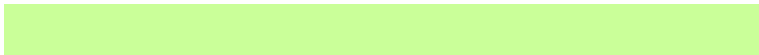
Harmonies

Analogous

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



86.3765, 0.3934, 0.4341



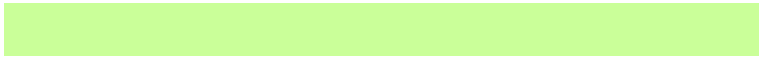
86.3765, 0.3368, 0.4416



86.3765, 0.2766, 0.4084

Triad

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



86.3765, 0.3368, 0.4416



86.3765, 0.2056, 0.2471



86.3765, 0.4008, 0.3049

Complementary

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



86.3765, 0.3368, 0.4416



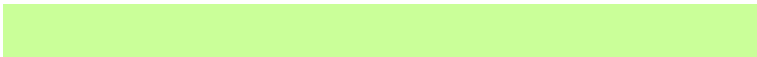
43.1257, 0.2771, 0.2178

Split Complementary

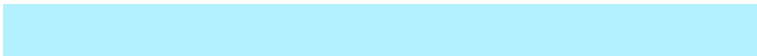
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3765, 0.3416, 0.2651



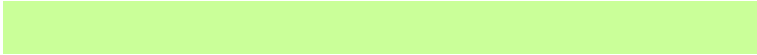
86.3765, 0.3368, 0.4416



86.3765, 0.2312, 0.2321

Square

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



86.3765, 0.3368, 0.4416



86.3765, 0.2046, 0.2866



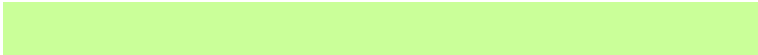
86.3765, 0.2791, 0.2392



86.3765, 0.4344, 0.3519

Rectangle

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



86.3765, 0.3368, 0.4416



86.3765, 0.2427, 0.3687



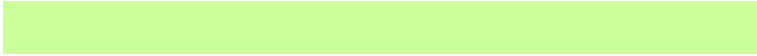
86.3765, 0.2791, 0.2392



86.3765, 0.3829, 0.2905

Sweetspot

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



86.3803, 0.3368, 0.4416



95.2938, 0.3205, 0.3597



67.5611, 0.3918, 0.3836



20.2942, 0.3213, 0.3632



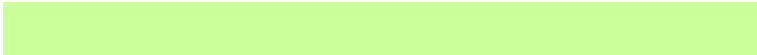
0.0000, 0.0000, 0.0000



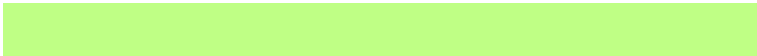
21.4041, 0.3127, 0.3290

Same Dimension

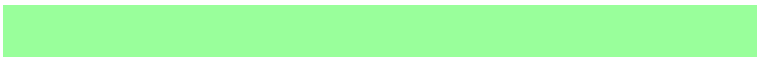
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3803, 0.3368, 0.4416



84.3371, 0.3402, 0.4660



80.6478, 0.3061, 0.4505



20.5966, 0.3189, 0.3531



39.6435, 0.3339, 0.5731



3.9246, 0.3425, 0.5662

Inverse Universe

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



43.1257, 0.2771, 0.2178



35.6418, 0.2677, 0.1940



51.1587, 0.3187, 0.2316



17.8416, 0.3061, 0.3050



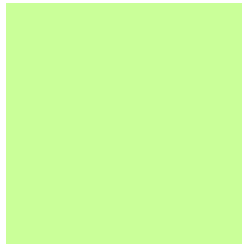
6.4421, 0.2059, 0.0908



0.6923, 0.2179, 0.0974

Previews

White Background



This preview shows how the Yxy color 86.3765, 0.3368, 0.4416 looks on a white background.

Color Contrast Check

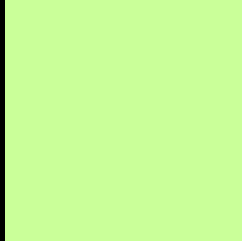
Large Text (above 18pt) WCAG AA × Fail

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 86.3765, 0.3368, 0.4416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

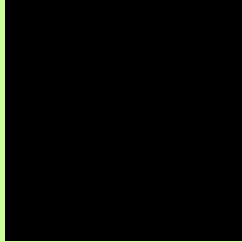
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3765, 0.3368, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 86.3765, 0.3368, 0.4416.

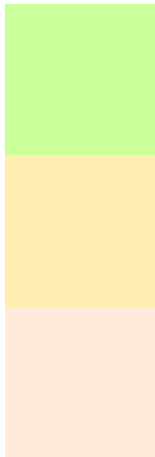


This preview shows how white text looks on a background with the Yxy color 86.3765, 0.3368, 0.4416.

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

86.3765, 0.3368, 0.4416

Protanopia

85.5042, 0.3650, 0.3924

Deuteranopia

85.6864, 0.3380, 0.3470



Tritanopia

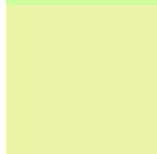
85.9779, 0.2937, 0.3147

Trichromacy



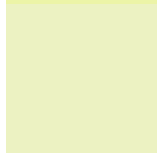
Original Color

86.3765, 0.3368, 0.4416



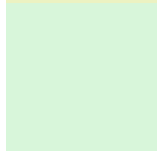
Protanomaly

85.3243, 0.3547, 0.4095



Deuteranomaly

85.2322, 0.3385, 0.3792



Tritanomaly

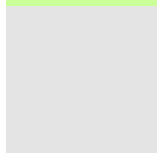
85.5724, 0.3100, 0.3589

Monochromacy



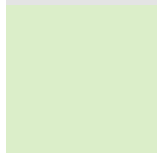
Original Color

86.3765, 0.3368, 0.4416



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.4262, 0.3229, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3765, 0.3368, 0.4416 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(202, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 153)  
}
```

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(202, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 86.3765, 0.3368, 0.4416 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(202, 255, 153) }
```

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

```
.border{ border-color:rgb(202, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3765, 0.3368, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 153) }
```

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

```
.background{ background-color: rgb(202,  
255, 153) }
```

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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