

Converting Colors

$Yxy(88.9933, 0.3362, 0.4196)$

Have a look what the booklet for
Yxy(88.9933, 0.3362, 0.4196)
contains.

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Color

Yxy(89.0592, 0.3362, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFAB
RGB	216, 255, 171
RGB Percent	85%, 100%, 67%
CMY	0.1530, 0.0000, 0.3293
CMYK	0.15, 0.00, 0.33, 0.00
HSL	88°, 100%, 84%
HSV	88°, 33%, 100%
XYZ	71.4258, 89.0592, 51.9654
YIQ	233.7630, 3.7200, -34.3920

Conversions

Conversions Part 2

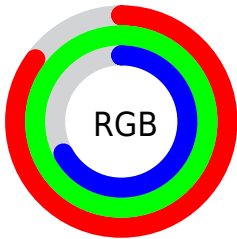
Format	Color
RYB	171, 255, 210
Decimal	14221227
CIELab	95.61, -26.48, 36.13
CIELCh	96, 44.791, 126.239
Yxy	89.0592, 0.3362, 0.4192
Android (android.graphics.Color)	4292411307 (0xFFD8FFAB)
YUV	233.7630, -30.9422, -15.5782
Hunter-Lab	94.3712, -30.0500, 33.4119

Details

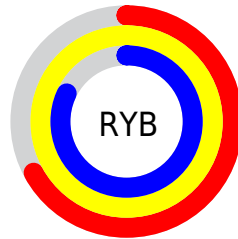
The Yxy color **89.0592, 0.3362, 0.4192** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.0647, 0.2814, 0.2379**, and the grayscale version is **82.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **49.1698, 0.3397, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **86.4356, 0.3421, 0.4490**, and if you desaturate by 10%, it is **91.9950, 0.3295, 0.3899**.

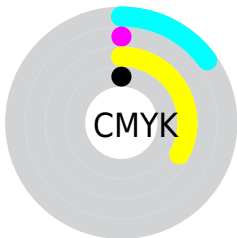
Distribution



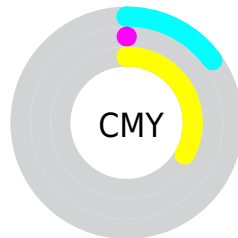
- Red (85%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0592, 0.3362, 0.4192 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 89.0592, 0.3362, 0.4192 by changing the saturation by 10% instead.

 89.0592, 0.3362,
0.4192

 89.0592, 0.3362,
0.4192


524.9657, 0.3269,
0.3774

 67.2006, 0.3379,
0.4287


 146.0309, 0.3333,
0.4048

 49.2477, 0.3398,
0.4403


181.9128, 0.3321,
0.3991

 34.8160, 0.3418,
0.4548


223.2379, 0.3310,
0.3943

 23.5212, 0.3439,
0.4736

270.3906, 0.3300,
0.3900

 14.9788, 0.3457,
0.4984

323.7554, 0.3291,
0.3863

 8.8045, 0.3460,
0.5325


383.7166, 0.3283,


 4.6139, 0.3442,


0.3830


0.5848


450.6585, 0.3276,
0.3801


 2.0226, 0.3320,
0.6680


 0.6205, 0.0000,
1.0000


 89.0592, 0.3362,
0.4192


 89.0592, 0.3362,
0.4192


 86.4356, 0.3421,
0.4490


 91.9950, 0.3295,
0.3899

 84.1190, 0.3466,
0.4783

 95.2640, 0.3222,
0.3621

 82.0919, 0.3493,
0.5055

 98.8751, 0.3149,
0.3362

 80.3379, 0.3499,
0.5293

100.0000, 0.3127,
0.3290

■ 78.8386, 0.3481,
0.5482

■ 77.5719, 0.3440,
0.5616

■ 76.7958, 0.3402,
0.5681

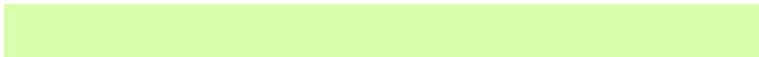
Harmonies

Analogous

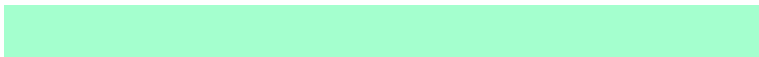
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0592, 0.3815, 0.4139



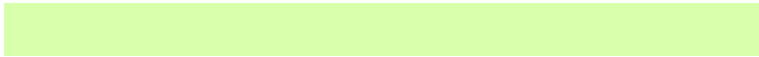
89.0592, 0.3362, 0.4192



89.0592, 0.2867, 0.3940

Triad

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



89.0592, 0.3362, 0.4192



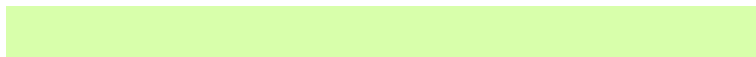
89.0592, 0.2235, 0.2638



89.0592, 0.3817, 0.3079

Complementary

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



89.0592, 0.3362, 0.4192



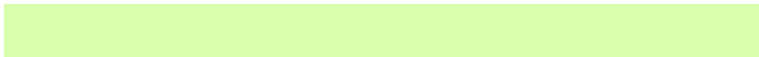
50.0647, 0.2814, 0.2379

Split Complementary

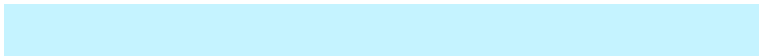
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0592, 0.3338, 0.2748



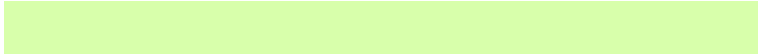
89.0592, 0.3362, 0.4192



89.0592, 0.2441, 0.2492

Square

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



89.0592, 0.3362, 0.4192



89.0592, 0.2241, 0.2981



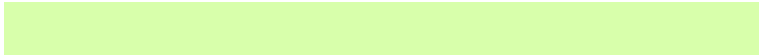
89.0592, 0.2833, 0.2538



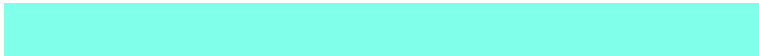
89.0592, 0.4102, 0.3473

Rectangle

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



89.0592, 0.3362, 0.4192



89.0592, 0.2580, 0.3638



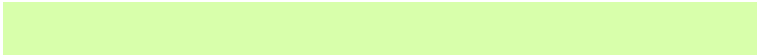
89.0592, 0.2833, 0.2538



89.0592, 0.3671, 0.2958

Sweetspot

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



89.0564, 0.3362, 0.4192



96.2864, 0.3201, 0.3543



69.7111, 0.3769, 0.3683



20.5035, 0.3211, 0.3580



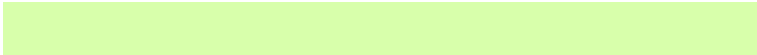
0.0000, 0.0000, 0.0000



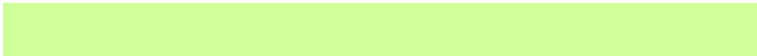
21.4041, 0.3127, 0.3290

Same Dimension

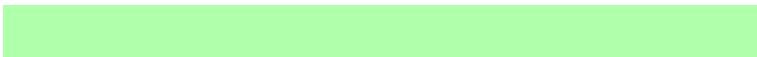
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0564, 0.3362, 0.4192



87.1716, 0.3405, 0.4403



83.6012, 0.3106, 0.4267



20.6469, 0.3197, 0.3530



40.2173, 0.3414, 0.5671



3.9808, 0.3497, 0.5606

Inverse Universe

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



50.0647, 0.2814, 0.2379



42.3372, 0.2727, 0.2164



56.8280, 0.3132, 0.2461



17.7914, 0.3052, 0.3049



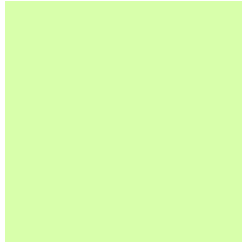
5.8904, 0.1954, 0.0850



0.6378, 0.2079, 0.0919

Previews

White Background



This preview shows how the Yxy color 89.0592, 0.3362, 0.4192 looks on a white background.

Color Contrast Check

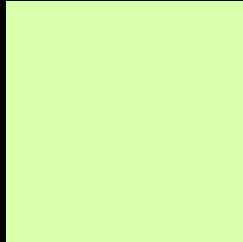
Large Text (above 18pt) WCAG AA × Fail

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 89.0592, 0.3362, 0.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

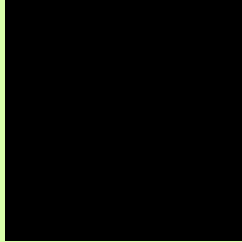
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

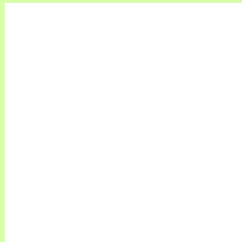
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0592, 0.3362, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 89.0592, 0.3362, 0.4192.

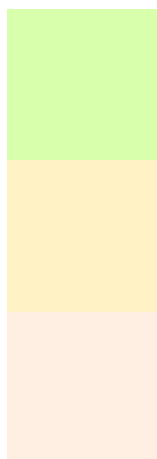


This preview shows how white text looks on a background with the Yxy color 89.0592, 0.3362, 0.4192.

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

89.0592, 0.3362, 0.4192

Protanopia

88.7498, 0.3505, 0.3750

Deuteranopia

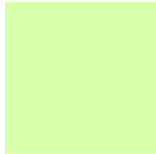
88.4840, 0.3316, 0.3419



Tritanopia

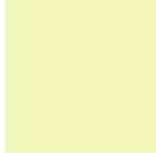
88.8136, 0.2999, 0.3170

Trichromacy



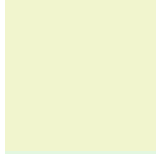
Original Color

89.0592, 0.3362, 0.4192



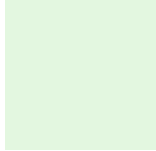
Protanomaly

88.8102, 0.3453, 0.3907



Deuteranomaly

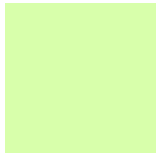
88.4618, 0.3339, 0.3689



Tritanomaly

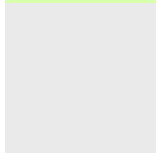
88.2342, 0.3135, 0.3529

Monochromacy



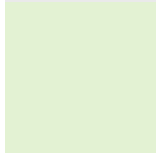
Original Color

89.0592, 0.3362, 0.4192



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5383, 0.3217, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0592, 0.3362, 0.4192 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(216, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 171)  
}
```

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(216, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 89.0592, 0.3362, 0.4192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

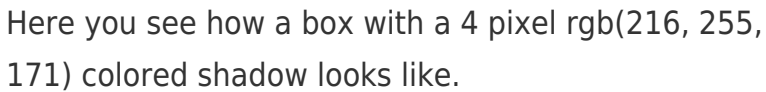
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 171) }
```

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

```
.border{ border-color:rgb(216, 255, 171) }
```

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



Here you see how a box with a 4 pixel rgb(216, 255, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0592, 0.3362, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 171) }
```

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

```
.background{ background-color: rgb(216,  
255, 171) }
```

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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