

Converting Colors

$Yxy(89.0140, 0.3370, 0.4207)$

Have a look what the booklet for
Yxy(89.0140, 0.3370, 0.4207)
contains.

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Color

Yxy(89.0212, 0.3368, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFAA
RGB	216, 255, 170
RGB Percent	85%, 100%, 67%
CMY	0.1529, 0.0000, 0.3334
CMYK	0.15, 0.00, 0.33, 0.00
HSL	88°, 100%, 83%
HSV	88°, 33%, 100%
XYZ	71.3356, 89.0212, 51.4472
YIQ	233.6490, 4.0410, -34.7030

Conversions

Conversions Part 2

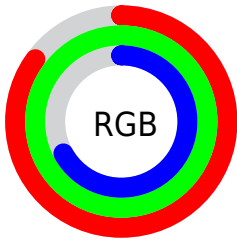
Format	Color
RYB	170, 255, 209
Decimal	14221226
CIELab	95.59, -26.60, 36.62
CIElCh	96, 45.262, 125.995
Yxy	89.0212, 0.3368, 0.4203
Android (android.graphics.Color)	4292411306 (0xFFD8FFAA)
YUV	233.6490, -31.3790, -15.4782
Hunter-Lab	94.3510, -30.1566, 33.7164

Details

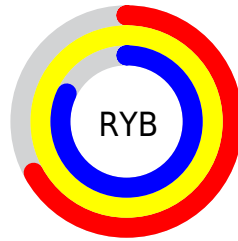
The Yxy color **89.0212, 0.3368, 0.4203** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.5184, 0.2805, 0.2366**, and the grayscale version is **82.2401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **49.1461, 0.3403, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **86.4303, 0.3427, 0.4501**, and if you desaturate by 10%, it is **91.9281, 0.3300, 0.3911**.

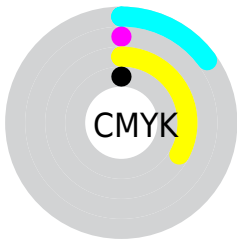
Distribution



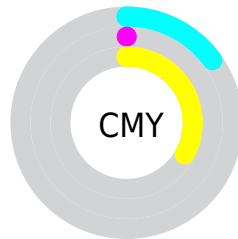
- Red (85%)
- Green (100%)
- Blue (67%)



- 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 89.0212, 0.3368, 0.4203 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 89.0212, 0.3368, 0.4203 by changing the saturation by 10% instead.


 89.0212, 0.3368,
0.4203

 89.0212, 0.3368,
0.4203

524.8417, 0.3273,
0.3780

 67.1691, 0.3385,
0.4299


 145.9780, 0.3338,
0.4057

 49.2221, 0.3405,
0.4416


181.8516, 0.3326,
0.4000

 34.7957, 0.3426,
0.4563


223.1678, 0.3315,
0.3951

 23.5055, 0.3447,
0.4753

270.3110, 0.3305,
0.3908

 14.9672, 0.3465,
0.5004

323.6656, 0.3295,
0.3870

 8.7964, 0.3468,
0.5347

383.6159, 0.3287,

 4.6086, 0.3452,

0.3837

0.5880

450.5465, 0.3280,
0.3807

■ 2.0195, 0.3312,
0.6688

■ 0.6188, 0.0000,
1.0000

■ 89.0212, 0.3368,
0.4203

■ 89.0212, 0.3368,
0.4203

■ 86.4303, 0.3427,
0.4501

■ 91.9281, 0.3300,
0.3911

■ 84.1389, 0.3473,
0.4792

■ 95.1605, 0.3227,
0.3632

■ 82.1333, 0.3500,
0.5062

■ 98.7312, 0.3152,
0.3372

■ 80.3972, 0.3506,
0.5297

100.0000, 0.3127,
0.3290

■ 78.9122, 0.3487,
0.5483

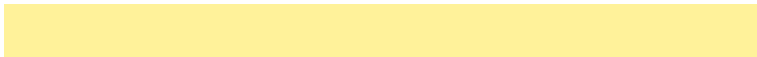
■ 77.6562, 0.3447,
0.5613

■ 76.9267, 0.3411,
0.5674

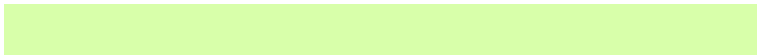
Harmonies

Analogous

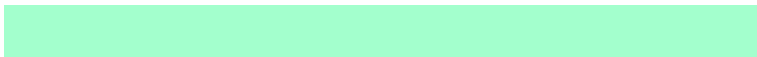
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0212, 0.3825, 0.4146



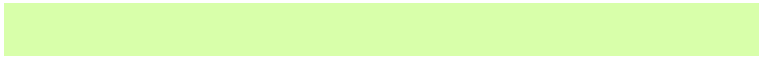
89.0212, 0.3368, 0.4203



89.0212, 0.2868, 0.3951

Triad

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



89.0212, 0.3368, 0.4203



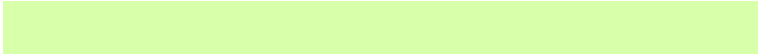
89.0212, 0.2226, 0.2633



89.0212, 0.3821, 0.3074

Complementary

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



89.0212, 0.3368, 0.4203



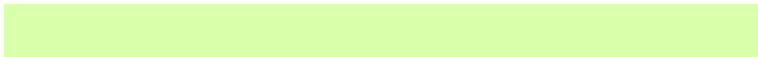
49.5184, 0.2805, 0.2366

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.



89.0212, 0.3335, 0.2740



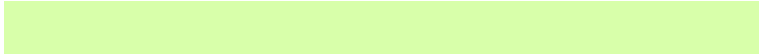
89.0212, 0.3368, 0.4203



89.0212, 0.2432, 0.2485

Square

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



89.0212, 0.3368, 0.4203



89.0212, 0.2234, 0.2980



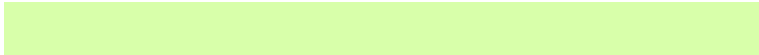
89.0212, 0.2825, 0.2529



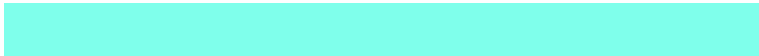
89.0212, 0.4111, 0.3471

Rectangle

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



89.0212, 0.3368, 0.4203



89.0212, 0.2578, 0.3645



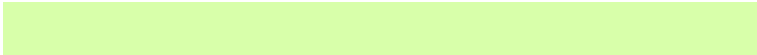
89.0212, 0.2825, 0.2529



89.0212, 0.3673, 0.2952

Sweetspot

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



89.0222, 0.3368, 0.4203



96.3140, 0.3202, 0.3543



69.3931, 0.3779, 0.3688



20.5102, 0.3212, 0.3580



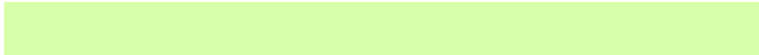
0.0000, 0.0000, 0.0000



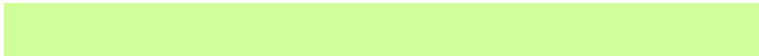
21.4041, 0.3127, 0.3290

Same Dimension

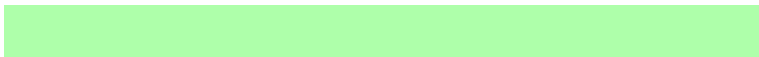
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0222, 0.3368, 0.4203



87.2612, 0.3409, 0.4401



83.4483, 0.3105, 0.4281



20.6525, 0.3198, 0.3530



40.2858, 0.3422, 0.5665



3.9875, 0.3505, 0.5599

Inverse Universe

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



49.5184, 0.2805, 0.2366



42.2521, 0.2723, 0.2162



56.4286, 0.3132, 0.2451



17.7859, 0.3051, 0.3049



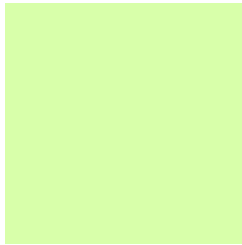
5.8336, 0.1943, 0.0844



0.6320, 0.2068, 0.0913

Previews

White Background



This preview shows how the Yxy color 89.0212, 0.3368, 0.4203 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 89.0212, 0.3368, 0.4203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

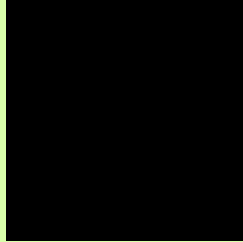
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.0212, 0.3368, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 89.0212, 0.3368, 0.4203.

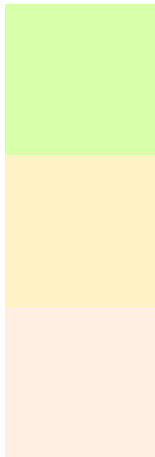


This preview shows how white text looks on a background with the Yxy color 89.0212, 0.3368, 0.4203.

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

89.0212, 0.3368, 0.4203

Protanopia

88.7498, 0.3505, 0.3750

Deuteranopia

88.4840, 0.3316, 0.3419



Tritanopia

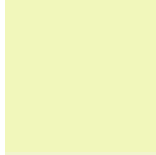
88.8136, 0.2999, 0.3170

Trichromacy



Original Color

89.0212, 0.3368, 0.4203



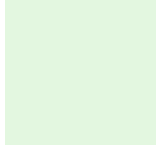
Protanomaly

88.8102, 0.3453, 0.3907



Deuteranomaly

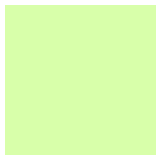
88.4618, 0.3339, 0.3689



Tritanomaly

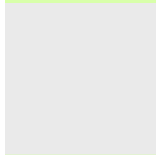
88.2342, 0.3135, 0.3529

Monochromacy



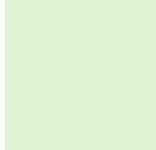
Original Color

89.0212, 0.3368, 0.4203



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 89.0212, 0.3368, 0.4203 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 89.0212, 0.3368, 0.4203 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, 170) }
```

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

```
.border{ border-color:rgb(216, 255, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0212, 0.3368, 0.4203 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, 170) }
```

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

```
.background{ background-color: rgb(216,  
255, 170) }
```

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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