

Converting Colors

$Y_{xy}(109.5562, 0.3358, 0.4465)$

Have a look what the booklet for
Yxy(109.5562, 0.3358, 0.4465)
contains.

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Color

Yxy(89.6822, 0.3418, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	DDFFA7
RGB	221, 255, 167
RGB Percent	87%, 100%, 65%
CMY	0.1333, 0.0000, 0.3452
CMYK	0.13, 0.00, 0.35, 0.00
HSL	83°, 100%, 83%
HSV	83°, 35%, 100%
XYZ	72.5524, 89.6822, 50.0310
YIQ	234.8020, 7.9840, -34.5760

Conversions

Conversions Part 2

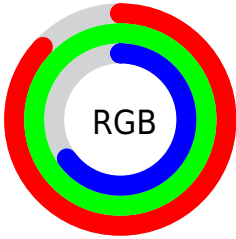
Format	Color
RYB	167, 255, 201
Decimal	14548903
CIELab	95.86, -25.22, 38.54
CIELCh	96, 46.057, 123.201
Yxy	89.6822, 0.3418, 0.4225
Android (android.graphics.Color)	4292738983 (0xFFDDFFA7)
YUV	234.8020, -33.4264, -12.1044
Hunter-Lab	94.7007, -28.9733, 34.9672

Details

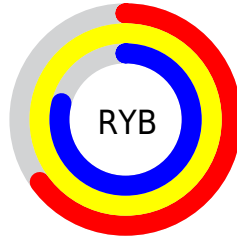
The Yxy color **89.6822, 0.3418, 0.4225** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.2604, 0.2742, 0.2317**, and the grayscale version is **83.1716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **49.6024, 0.3466, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **87.3291, 0.3489, 0.4513**, and if you desaturate by 10%, it is **92.3110, 0.3338, 0.3938**.

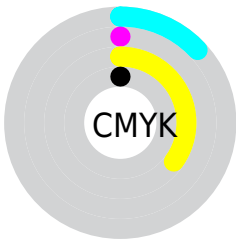
Distribution



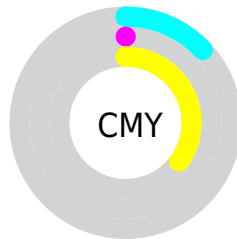
- Red (87%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (79%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6822, 0.3418, 0.4225 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 89.6822, 0.3418, 0.4225 by changing the saturation by 10% instead.


 89.6822, 0.3418,
0.4225

 89.6822, 0.3418,
0.4225


526.9965, 0.3301,
0.3794

 67.7171, 0.3440,
0.4322


 146.8969, 0.3381,
0.4076

 49.6676, 0.3465,
0.4441


 182.9152, 0.3366,
0.4018

 35.1494, 0.3492,
0.4589


224.3868, 0.3352,
0.3968

 23.7780, 0.3520,
0.4778

271.6960, 0.3340,
0.3924

 15.1690, 0.3547,
0.5027

325.2271, 0.3329,
0.3886

 8.9381, 0.3560,
0.5364

385.3647, 0.3319,

 4.7008, 0.3569,

0.3852

0.5899

452.4930, 0.3310,
0.3821

■ 2.0728, 0.3409,
0.6591

■ 0.6493, 0.0022,
0.9978

■ 89.6822, 0.3418,
0.4225

■ 89.6822, 0.3418,
0.4225

■ 87.3291, 0.3489,
0.4513

■ 92.3110, 0.3338,
0.3938

■ 85.2405, 0.3545,
0.4790

■ 95.2285, 0.3253,
0.3662

■ 83.4023, 0.3581,
0.5043

■ 98.4450, 0.3166,
0.3402

■ 81.7992, 0.3595,
0.5259

100.0000, 0.3127,
0.3290

■ 80.4135, 0.3583,
0.5426

■ 79.2241, 0.3548,
0.5541

■ 78.6398, 0.3521,
0.5586

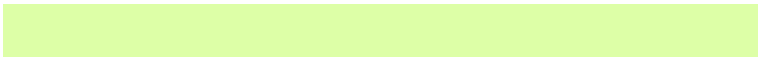
Harmonies

Analogous

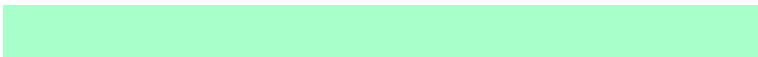
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6822, 0.3871, 0.4139



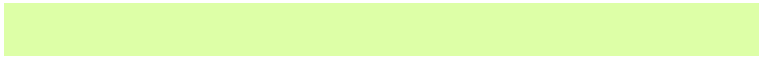
89.6822, 0.3418, 0.4225



89.6822, 0.2909, 0.3998

Triad

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



89.6822, 0.3418, 0.4225



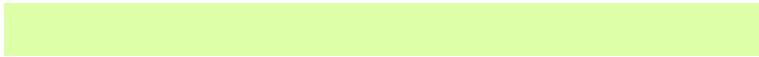
89.6822, 0.2205, 0.2648



89.6822, 0.3791, 0.3035

Complementary

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



89.6822, 0.3418, 0.4225



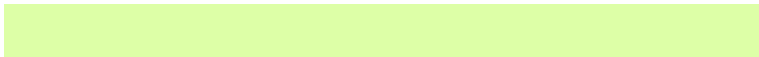
47.2604, 0.2742, 0.2317

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.



89.6822, 0.3288, 0.2707



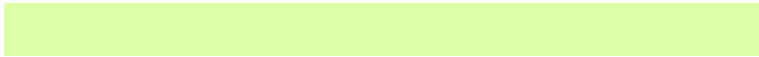
89.6822, 0.3418, 0.4225



89.6822, 0.2394, 0.2479

Square

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



89.6822, 0.3418, 0.4225



89.6822, 0.2233, 0.3017



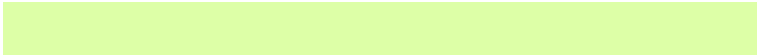
89.6822, 0.2777, 0.2507



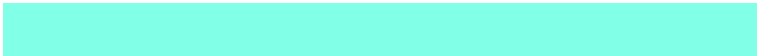
89.6822, 0.4111, 0.3434

Rectangle

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



89.6822, 0.3418, 0.4225



89.6822, 0.2607, 0.3698



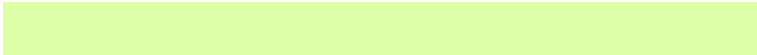
89.6822, 0.2777, 0.2507



89.6822, 0.3635, 0.2914

Sweetspot

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



89.6817, 0.3418, 0.4225



96.6449, 0.3213, 0.3542



65.6901, 0.3829, 0.3643



20.5903, 0.3226, 0.3579



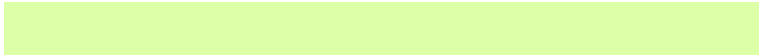
0.0000, 0.0000, 0.0000



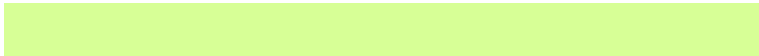
21.4041, 0.3127, 0.3290

Same Dimension

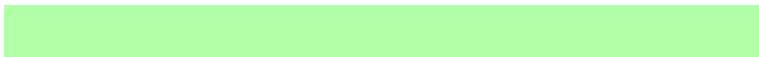
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6817, 0.3418, 0.4225



88.1266, 0.3465, 0.4412



83.6846, 0.3139, 0.4312



20.7200, 0.3209, 0.3529



41.1797, 0.3532, 0.5578



4.0725, 0.3606, 0.5519

Inverse Universe

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



47.2604, 0.2742, 0.2317



40.2306, 0.2651, 0.2113



54.2113, 0.3085, 0.2409



17.7197, 0.3039, 0.3049



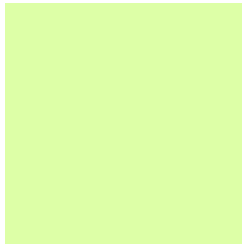
5.2229, 0.1820, 0.0776



0.5692, 0.1945, 0.0845

Previews

White Background



This preview shows how the Yxy color 89.6822, 0.3418, 0.4225 looks on a white background.

Color Contrast Check

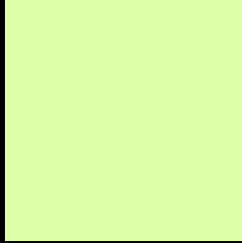
Large Text (above 18pt) WCAG AA × Fail

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 89.6822, 0.3418, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

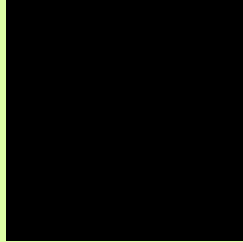
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

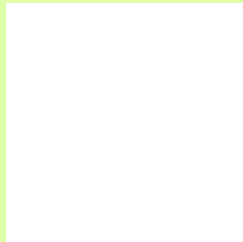
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6822, 0.3418, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 89.6822, 0.3418, 0.4225.

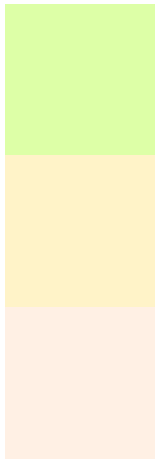


This preview shows how white text looks on a background with the Yxy color 89.6822, 0.3418, 0.4225.

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

89.6822, 0.3418, 0.4225

Protanopia

89.5313, 0.3477, 0.3719

Deuteranopia

89.1816, 0.3302, 0.3409



Tritanopia

89.4983, 0.3024, 0.3171

Trichromacy



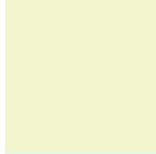
Original Color

89.6822, 0.3418, 0.4225



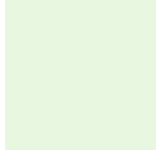
Protanomaly

89.2071, 0.3461, 0.3893



Deuteranomaly

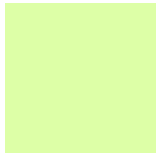
88.8157, 0.3353, 0.3688



Tritanomaly

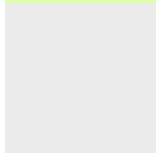
89.0050, 0.3173, 0.3537

Monochromacy



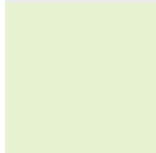
Original Color

89.6822, 0.3418, 0.4225



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9804, 0.3244, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6822, 0.3418, 0.4225 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(221, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 167)  
}
```

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(221, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 89.6822, 0.3418, 0.4225 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(221, 255, 167) }
```

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

```
.border{ border-color:rgb(221, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 255, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 255, 167); box-shadow:4px 4px 4px 4px rgb(221, 255, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6822, 0.3418, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 167) }
```

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

```
.background{ background-color: rgb(221,  
255, 167) }
```

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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