

Converting Colors

$Yxy(87.2577, 0.3410, 0.4403)$

Have a look what the booklet for
Yxy(87.2577, 0.3410, 0.4403)
contains.

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Color

Yxy(87.2298, 0.3407, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF99
RGB	208, 255, 153
RGB Percent	82%, 100%, 60%
CMY	0.1845, 0.0000, 0.4000
CMYK	0.18, 0.00, 0.40, 0.00
HSL	88°, 100%, 80%
HSV	88°, 40%, 100%
XYZ	67.5129, 87.2298, 43.4167
YIQ	229.3190, 4.7300, -41.6860

Conversions

Conversions Part 2

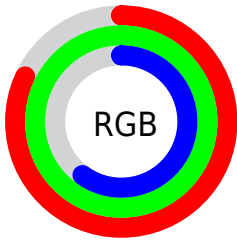
Format	Color
RYB	153, 255, 200
Decimal	13696921
CIELab	94.84, -31.62, 43.89
CIELCh	95, 54.092, 125.770
Yxy	87.2298, 0.3407, 0.4402
Android (android.graphics.Color)	4291887001 (0xFFD0FF99)
YUV	229.3190, -37.6253, -18.6968
Hunter-Lab	93.3969, -34.4140, 37.8161

Details

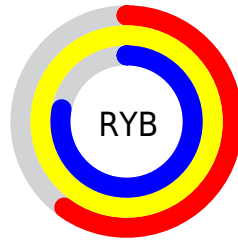
The Yxy color **87.2298, 0.3407, 0.4402** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.2904, 0.2725, 0.2163**, and the grayscale version is **78.8710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **47.9837, 0.3445, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **84.8272, 0.3457, 0.4697**, and if you desaturate by 10%, it is **89.9262, 0.3345, 0.4105**.

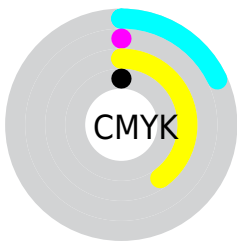
Distribution



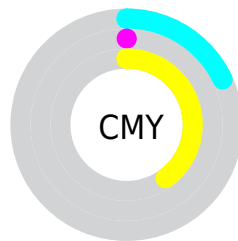
- Red (82%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2298, 0.3407, 0.4402 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 87.2298, 0.3407, 0.4402 by changing the saturation by 10% instead.


 87.2298, 0.3407,
0.4402


 87.2298, 0.3407,
0.4402


518.9777, 0.3301,
0.3883

 65.6854, 0.3425,
0.4520


 143.4844, 0.3375,
0.4222

 48.0171, 0.3443,
0.4664


 178.9634, 0.3362,
0.4152

 33.8404, 0.3461,
0.4844


219.8560, 0.3349,
0.4092

 22.7710, 0.3474,
0.5074

266.5467, 0.3338,
0.4039

 14.4245, 0.3474,
0.5375

319.4198, 0.3327,
0.3993

 8.4165, 0.3440,
0.5777


378.8597, 0.3318,


 4.3626, 0.3442,


0.3952


0.6558

445.2509, 0.3309,
0.3916


 1.8784, 0.2958,
0.7042


 0.5353, 0.0000,
1.0000


 87.2298, 0.3407,
0.4402


 87.2298, 0.3407,
0.4402


 84.8272, 0.3457,
0.4697


 89.9262, 0.3345,
0.4105

 82.7231, 0.3491,
0.4976

 92.9486, 0.3275,
0.3816

 80.8955, 0.3504,
0.5225

 96.3029, 0.3201,
0.3543

 79.3266, 0.3493,
0.5429

100.0000, 0.3127,
0.3290

■ 77.9957, 0.3459,
0.5579

■ 76.8709, 0.3407,
0.5677

■ 76.8707, 0.3407,
0.5677

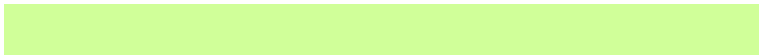
Harmonies

Analogous

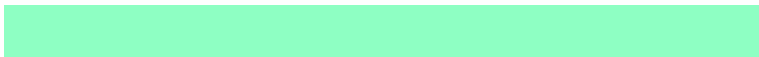
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2298, 0.3955, 0.4307



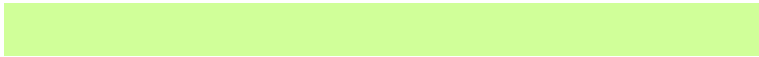
87.2298, 0.3407, 0.4402



87.2298, 0.2812, 0.4103

Triad

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



87.2298, 0.3407, 0.4402



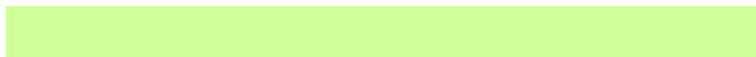
87.2298, 0.2064, 0.2505



87.2298, 0.3958, 0.3023

Complementary

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



87.2298, 0.3407, 0.4402



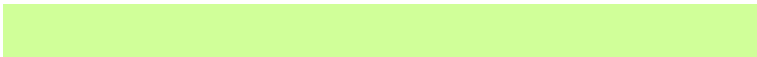
42.2904, 0.2725, 0.2163

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.



87.2298, 0.3367, 0.2638



87.2298, 0.3407, 0.4402



87.2298, 0.2300, 0.2339

Square

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



87.2298, 0.3407, 0.4402



87.2298, 0.2072, 0.2911



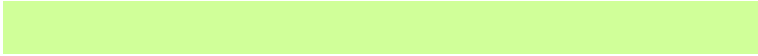
87.2298, 0.2758, 0.2394



87.2298, 0.4311, 0.3484

Rectangle

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



87.2298, 0.3407, 0.4402



87.2298, 0.2471, 0.3724



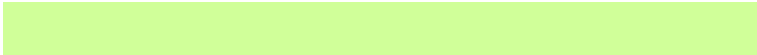
87.2298, 0.2758, 0.2394



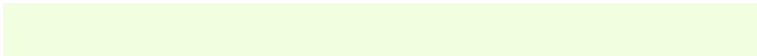
87.2298, 0.3777, 0.2883

Sweetspot

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



87.2235, 0.3407, 0.4402



95.6042, 0.3216, 0.3596



64.3623, 0.3946, 0.3769



20.3672, 0.3226, 0.3631



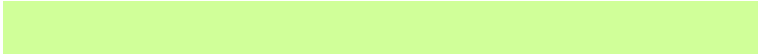
0.0000, 0.0000, 0.0000



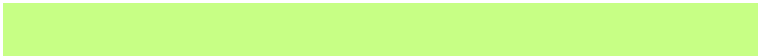
21.4041, 0.3127, 0.3290

Same Dimension

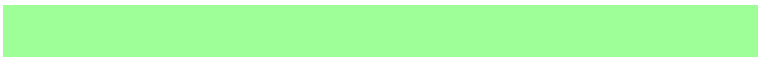
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2235, 0.3407, 0.4402



85.2822, 0.3448, 0.4639



81.0998, 0.3098, 0.4516



20.6501, 0.3198, 0.3530



40.2565, 0.3419, 0.5668



3.9846, 0.3501, 0.5602

Inverse Universe

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



42.2904, 0.2725, 0.2163



34.7118, 0.2619, 0.1919



50.3098, 0.3131, 0.2289



17.7882, 0.3051, 0.3049



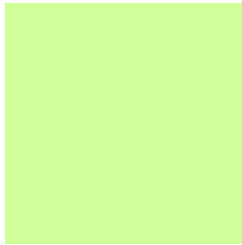
5.8577, 0.1948, 0.0847



0.6345, 0.2073, 0.0915

Previews

White Background



This preview shows how the Yxy color 87.2298, 0.3407, 0.4402 looks on a white background.

Color Contrast Check

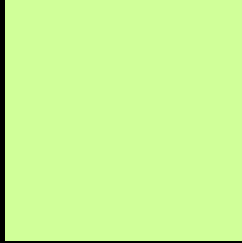
Large Text (above 18pt) WCAG AA × Fail

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 87.2298, 0.3407, 0.4402 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

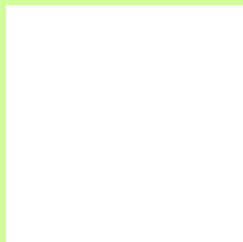
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2298, 0.3407, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 87.2298, 0.3407, 0.4402.

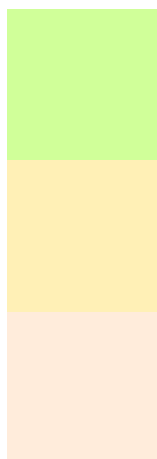


This preview shows how white text looks on a background with the Yxy color 87.2298, 0.3407, 0.4402.

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

87.2298, 0.3407, 0.4402

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

86.3654, 0.3366, 0.3460



Tritanopia

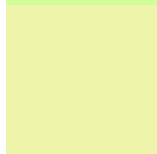
86.6246, 0.2962, 0.3148

Trichromacy



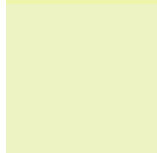
Original Color

87.2298, 0.3407, 0.4402



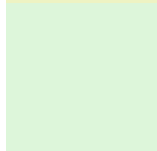
Protanomaly

86.4222, 0.3535, 0.4059



Deuteranomaly

86.2185, 0.3390, 0.3788



Tritanomaly

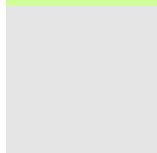
86.3456, 0.3133, 0.3586

Monochromacy



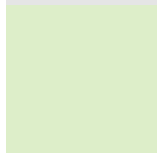
Original Color

87.2298, 0.3407, 0.4402



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7383, 0.3242, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2298, 0.3407, 0.4402 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(208, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 87.2298, 0.3407, 0.4402 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(208, 255, 153) }
```

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

```
.border{ border-color:rgb(208, 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(208, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2298, 0.3407, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 153) }
```

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

```
.background{ background-color: rgb(208,  
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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