

Converting Colors

$Yxy(97.5027, 0.3261, 0.4119)$

Have a look what the booklet for
Yxy(97.5027, 0.3261, 0.4119)
contains.

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Color

Yxy(89.8596, 0.3279, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFBB
RGB	217, 255, 187
RGB Percent	85%, 100%, 73%
CMY	0.1489, 0.0000, 0.2667
CMYK	0.15, 0.00, 0.27, 0.00
HSL	94°, 100%, 87%
HSV	94°, 27%, 100%
XYZ	73.3507, 89.8596, 60.4880
YIQ	235.8860, -0.8200, -29.2040

Conversions

Conversions Part 2

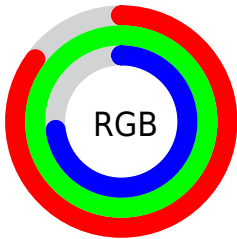
Format	Color
RYB	187, 255, 225
Decimal	14286779
CIELab	95.94, -23.87, 28.59
CIElCh	96, 37.240, 129.860
Yxy	89.8596, 0.3279, 0.4017
Android (android.graphics.Color)	4292476859 (0xFFD9FFBB)
YUV	235.8860, -24.1008, -16.5630
Hunter-Lab	94.7943, -27.7689, 28.5232

Details

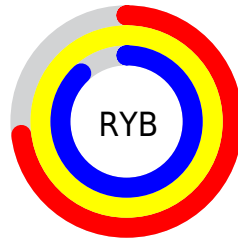
The Yxy color **89.8596, 0.3279, 0.4017** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.7601, 0.2932, 0.2577**, and the grayscale version is **83.9830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **49.6587, 0.3302, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **86.7777, 0.3328, 0.4322**, and if you desaturate by 10%, it is **93.3315, 0.3224, 0.3727**.

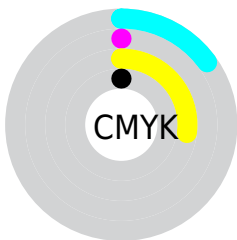
Distribution



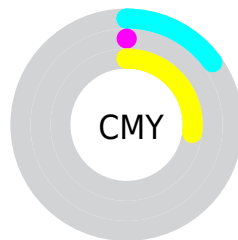
- Red (85%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8596, 0.3279, 0.4017 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 89.8596, 0.3279, 0.4017 by changing the saturation by 10% instead.


 89.8596, 0.3279,
0.4017

 89.8596, 0.3279,
0.4017


527.5740, 0.3219,
0.3681

 67.8642, 0.3290,
0.4093


 147.1434, 0.3260,
0.3901

 49.7873, 0.3303,
0.4187


183.2005, 0.3252,
0.3856

 35.2444, 0.3317,
0.4305


224.7137, 0.3245,
0.3817

 23.8512, 0.3331,
0.4457

272.0673, 0.3239,
0.3783

 15.2233, 0.3345,
0.4661

325.6458, 0.3233,
0.3753

 8.9762, 0.3353,
0.4947

385.8334, 0.3228,

 4.7257, 0.3337,

0.3726

0.5370

453.0147, 0.3223,
0.3702

■ 2.0872, 0.3493,
0.6507

■ 0.6574, 0.0603,
0.9397

■ 89.8596, 0.3279,
0.4017

■ 89.8596, 0.3279,
0.4017

■ 86.7777, 0.3328,
0.4322

■ 93.3315, 0.3224,
0.3727

■ 84.0590, 0.3366,
0.4633

■ 97.1957, 0.3166,
0.3457

■ 81.6913, 0.3391,
0.4935

99.9996, 0.3127,
0.3290

■ 79.6572, 0.3397,
0.5213

■ 77.9370, 0.3383,
0.5449

■ 76.5088, 0.3348,
0.5630

■ 75.3456, 0.3296,
0.5749

■ 75.0054, 0.3277,
0.5780

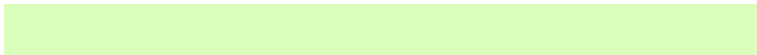
Harmonies

Analogous

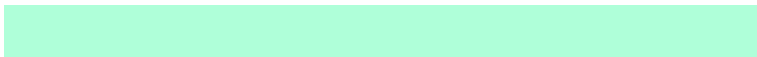
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8596, 0.3665, 0.4013



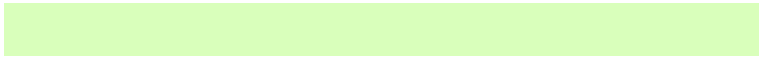
89.8596, 0.3279, 0.4017



89.8596, 0.2868, 0.3782

Triad

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



89.8596, 0.3279, 0.4017



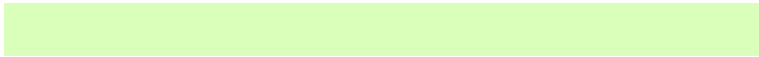
89.8596, 0.2388, 0.2724



89.8596, 0.3737, 0.3156

Complementary

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



89.8596, 0.3279, 0.4017



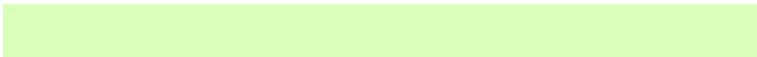
58.7601, 0.2932, 0.2577

Split Complementary

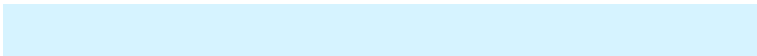
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8596, 0.3356, 0.2863



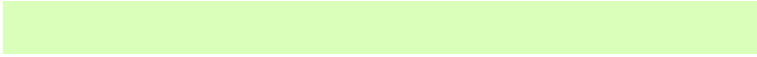
89.8596, 0.3279, 0.4017



89.8596, 0.2585, 0.2615

Square

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



89.8596, 0.3279, 0.4017



89.8596, 0.2372, 0.2997



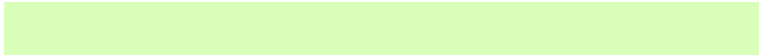
89.8596, 0.2932, 0.2669



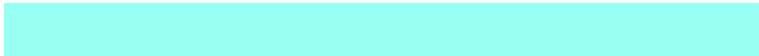
89.8596, 0.3946, 0.3494

Rectangle

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



89.8596, 0.3279, 0.4017



89.8596, 0.2635, 0.3528



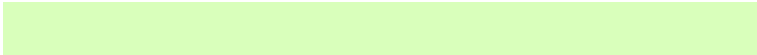
89.8596, 0.2932, 0.2669



89.8596, 0.3624, 0.3050

Sweetspot

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



89.8635, 0.3279, 0.4017



96.6585, 0.3174, 0.3491



78.3726, 0.3606, 0.3672



20.5607, 0.3183, 0.3531



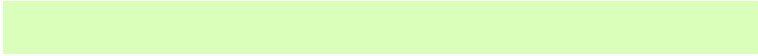
0.0000, 0.0000, 0.0000



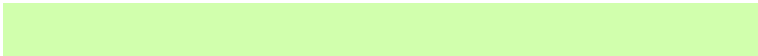
21.4041, 0.3127, 0.3290

Same Dimension

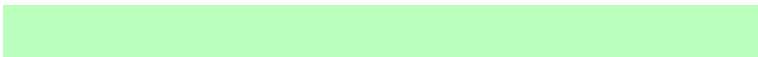
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8635, 0.3279, 0.4017



88.1722, 0.3306, 0.4179



85.8187, 0.3073, 0.4020



20.5607, 0.3183, 0.3531



39.2772, 0.3289, 0.5771



3.8877, 0.3376, 0.5701

Inverse Universe

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



58.7601, 0.2932, 0.2577



52.3147, 0.2883, 0.2422



63.8011, 0.3183, 0.2654



17.8779, 0.3067, 0.3051



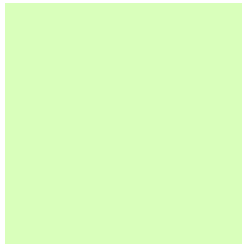
6.8849, 0.2139, 0.0952



0.7351, 0.2255, 0.1016

Previews

White Background



This preview shows how the Yxy color 89.8596, 0.3279, 0.4017 looks on a white background.

Color Contrast Check

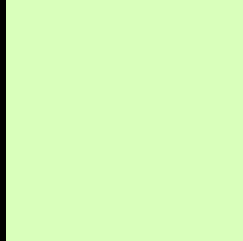
Large Text (above 18pt) WCAG AA × Fail

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 89.8596, 0.3279, 0.4017 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

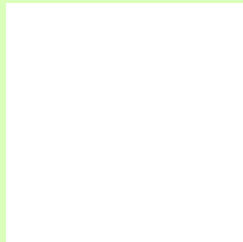
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8596, 0.3279, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 89.8596, 0.3279, 0.4017.

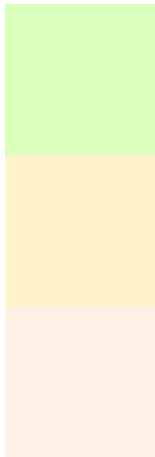


This preview shows how white text looks on a background with the Yxy color 89.8596, 0.3279, 0.4017.

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

89.8596, 0.3279, 0.4017

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

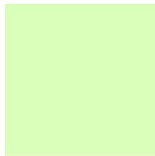
89.2933, 0.3290, 0.3389



Tritanopia

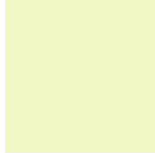
89.5835, 0.3006, 0.3180

Trichromacy



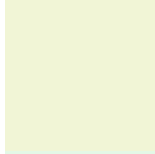
Original Color

89.8596, 0.3279, 0.4017



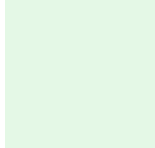
Protanomaly

89.2535, 0.3392, 0.3803



Deuteranomaly

88.8606, 0.3290, 0.3606



Tritanomaly

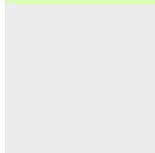
89.3420, 0.3106, 0.3475

Monochromacy



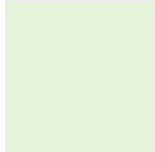
Original Color

89.8596, 0.3279, 0.4017



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8212, 0.3187, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8596, 0.3279, 0.4017 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(217, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 187)  
}
```

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(217, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 89.8596, 0.3279, 0.4017 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(217, 255, 187) }
```

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

```
.border{ border-color:rgb(217, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8596, 0.3279, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 187) }
```

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

```
.background{ background-color: rgb(217,  
255, 187) }
```

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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