

Converting Colors

$Yxy(89.2011, 0.3424, 0.4269)$

Have a look what the booklet for
Yxy(89.2011, 0.3424, 0.4269)
contains.

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Color

Yxy(89.2244, 0.3427, 0.4271)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFA3
RGB	219, 255, 163
RGB Percent	86%, 100%, 64%
CMY	0.1410, 0.0000, 0.3608
CMYK	0.14, 0.00, 0.36, 0.00
HSL	83°, 100%, 82%
HSV	83°, 36%, 100%
XYZ	71.5926, 89.2244, 48.0905
YIQ	233.7480, 8.0760, -36.2440

Conversions

Conversions Part 2

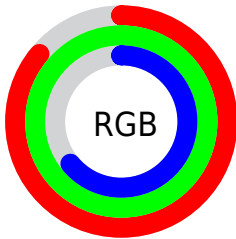
Format	Color
R _{YB}	163, 255, 199
Decimal	14417827
CIE Lab	95.67, -26.42, 40.23
CIE LCh	96, 48.132, 123.295
Yxy	89.2244, 0.3427, 0.4271
Android (android.graphics.Color)	4292607907 (0xFFDBFFA3)
YUV	233.7480, -34.8788, -12.9340
Hunter-Lab	94.4587, -30.0130, 35.9355

Details

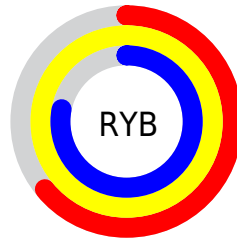
The Yxy color **89.2244, 0.3427, 0.4271** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.5422, 0.2724, 0.2269**, and the grayscale version is **82.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **49.3005, 0.3475, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **86.9048, 0.3495, 0.4558**, and if you desaturate by 10%, it is **91.8287, 0.3349, 0.3983**.

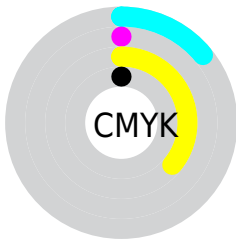
Distribution



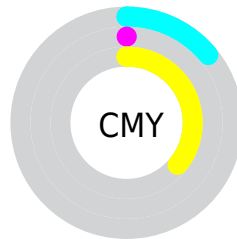
- Red (86%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (78%)



- Cyan (14%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2244, 0.3427, 0.4271 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 89.2244, 0.3427, 0.4271 by changing the saturation by 10% instead.


 89.2244, 0.3427,
0.4271


 89.2244, 0.3427,
0.4271

525.5046, 0.3308,
0.3818

 67.3375, 0.3449,
0.4373


 146.2606, 0.3390,
0.4115

 49.3590, 0.3473,
0.4498


 182.1787, 0.3374,
0.4054

 34.9043, 0.3500,
0.4653


223.5427, 0.3360,
0.4001

 23.5892, 0.3527,
0.4852

270.7370, 0.3347,
0.3955

 15.0292, 0.3550,
0.5113

324.1459, 0.3336,
0.3914

 8.8399, 0.3555,
0.5463


384.1539, 0.3326,


 4.6369, 0.3573,


0.3878


0.6059


451.1453, 0.3316,
0.3846

 2.0358, 0.3327,
0.6673

 0.6282, 0.0000,
1.0000


 89.2244, 0.3427,
0.4271


 89.2244, 0.3427,
0.4271


 86.9048, 0.3495,
0.4558


 91.8287, 0.3349,
0.3983

 84.8452, 0.3547,
0.4834

 94.7176, 0.3265,
0.3704

 83.0357, 0.3580,
0.5083

 97.9061, 0.3179,
0.3441

 81.4607, 0.3589,
0.5292

99.9977, 0.3127,
0.3290

■ 80.1019, 0.3572,
0.5453

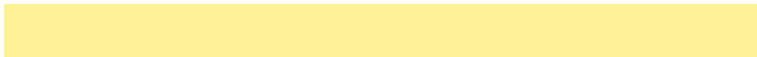
■ 78.9372, 0.3533,
0.5560

■ 78.5218, 0.3514,
0.5592

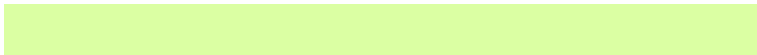
Harmonies

Analogous

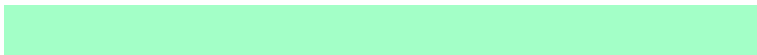
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2244, 0.3902, 0.4177



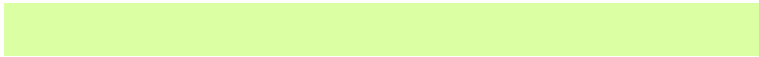
89.2244, 0.3427, 0.4271



89.2244, 0.2895, 0.4033

Triad

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



89.2244, 0.3427, 0.4271



89.2244, 0.2167, 0.2617



89.2244, 0.3824, 0.3024

Complementary

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



89.2244, 0.3427, 0.4271



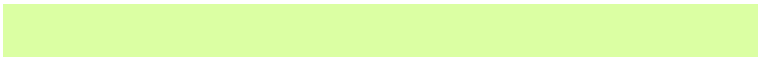
45.5422, 0.2724, 0.2269

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.



89.2244, 0.3296, 0.2683



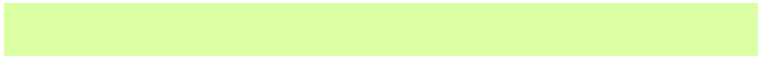
89.2244, 0.3427, 0.4271



89.2244, 0.2363, 0.2444

Square

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



89.2244, 0.3427, 0.4271



89.2244, 0.2195, 0.3000



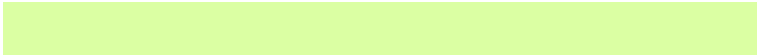
89.2244, 0.2762, 0.2475



89.2244, 0.4158, 0.3438

Rectangle

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



89.2244, 0.3427, 0.4271



89.2244, 0.2581, 0.3716



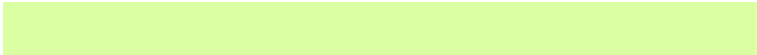
89.2244, 0.2762, 0.2475



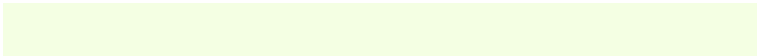
89.2244, 0.3660, 0.2899

Sweetspot

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



89.2283, 0.3427, 0.4271



96.3035, 0.3221, 0.3568



64.4083, 0.3869, 0.3660



20.5209, 0.3233, 0.3604



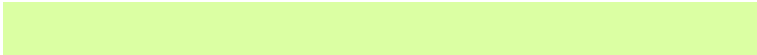
0.0000, 0.0000, 0.0000



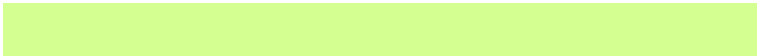
21.4041, 0.3127, 0.3290

Same Dimension

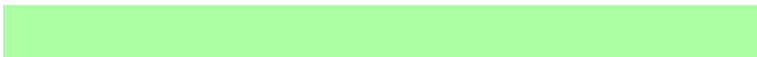
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2283, 0.3427, 0.4271



87.5953, 0.3475, 0.4471



83.1280, 0.3138, 0.4365



20.7158, 0.3209, 0.3529



41.1195, 0.3525, 0.5583



4.0669, 0.3599, 0.5524

Inverse Universe

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



45.5422, 0.2724, 0.2269



38.2941, 0.2625, 0.2051



52.6886, 0.3082, 0.2369



17.7238, 0.3040, 0.3049



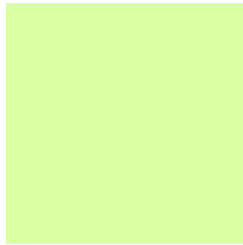
5.2576, 0.1828, 0.0780



0.5729, 0.1953, 0.0849

Previews

White Background



This preview shows how the Yxy color 89.2244, 0.3427, 0.4271 looks on a white background.

Color Contrast Check

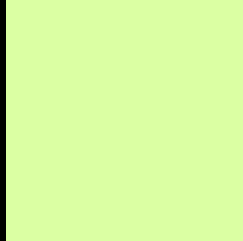
Large Text (above 18pt) WCAG AA × Fail

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 89.2244, 0.3427, 0.4271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

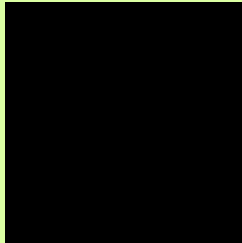
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.2244, 0.3427, 0.4271

Background



This preview shows how black text looks on a background with the Yxy color 89.2244, 0.3427, 0.4271.

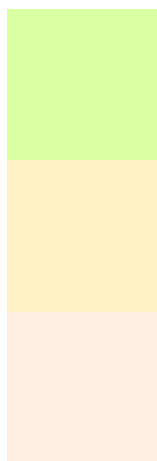


This preview shows how white text looks on a background with the Yxy color 89.2244, 0.3427, 0.4271.

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

89.2244, 0.3427, 0.4271

Protanopia

88.7498, 0.3505, 0.3750

Deuteranopia

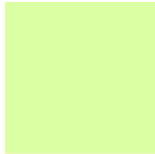
88.4840, 0.3316, 0.3419



Tritanopia

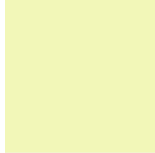
89.1541, 0.3012, 0.3170

Trichromacy



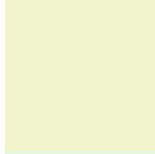
Original Color

89.2244, 0.3427, 0.4271



Protanomaly

88.8595, 0.3479, 0.3936



Deuteranomaly

88.4939, 0.3365, 0.3720



Tritanomaly

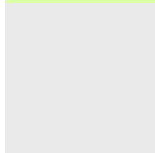
88.6184, 0.3166, 0.3548

Monochromacy



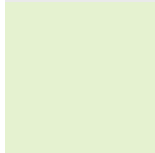
Original Color

89.2244, 0.3427, 0.4271



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.7163, 0.3249, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2244, 0.3427, 0.4271 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(219, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 163)  
}
```

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(219, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 89.2244, 0.3427, 0.4271 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(219, 255, 163) }
```

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

```
.border{ border-color:rgb(219, 255, 163) }
```

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

Here you see how a box with a 4 pixel rgb(219, 255, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2244, 0.3427, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 163) }
```

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

```
.background{ background-color: rgb(219,  
255, 163) }
```

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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