

Converting Colors

$Yxy(89.7827, 0.3357, 0.4132)$

Have a look what the booklet for
Yxy(89.7827, 0.3357, 0.4132)
contains.

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Color

Yxy(89.7147, 0.3354, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFB0
RGB	219, 255, 176
RGB Percent	86%, 100%, 69%
CMY	0.1412, 0.0000, 0.3098
CMYK	0.14, 0.00, 0.31, 0.00
HSL	87°, 100%, 85%
HSV	87°, 31%, 100%
XYZ	72.8050, 89.7147, 54.5495
YIQ	235.2300, 3.9030, -32.2010

Conversions

Conversions Part 2

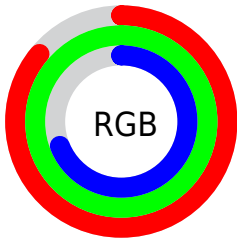
Format	Color
RYB	176, 255, 212
Decimal	14417840
CIELab	95.88, -24.75, 34.05
CIELCh	96, 42.093, 126.012
Yxy	89.7147, 0.3354, 0.4133
Android (android.graphics.Color)	4292607920 (0xFFDBFFB0)
YUV	235.2300, -29.2004, -14.2337
Hunter-Lab	94.7178, -28.5519, 32.1565

Details

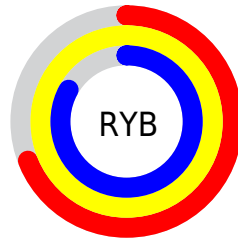
The Yxy color **89.7147, 0.3354, 0.4133** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.2674, 0.2831, 0.2437**, and the grayscale version is **83.4810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **49.6048, 0.3388, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **87.0547, 0.3416, 0.4430**, and if you desaturate by 10%, it is **92.6839, 0.3284, 0.3843**.

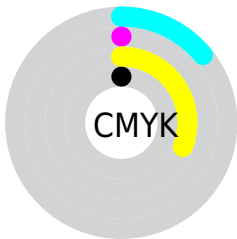
Distribution



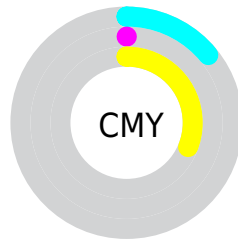
- Red (86%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (83%)



- Cyan (14%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7147, 0.3354, 0.4133 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 89.7147, 0.3354, 0.4133 by changing the saturation by 10% instead.

 89.7147, 0.3354,
0.4133

 89.7147, 0.3354,
0.4133

527.1023, 0.3263,
0.3744

 67.7440, 0.3371,
0.4221


 146.9420, 0.3325,
0.3999

 49.6895, 0.3390,
0.4329

182.9675, 0.3313,
0.3946

 35.1668, 0.3412,
0.4464


224.4467, 0.3303,
0.3901

 23.7914, 0.3435,
0.4639

271.7640, 0.3293,
0.3861

 15.1789, 0.3456,
0.4870

325.3038, 0.3285,
0.3826

 8.9451, 0.3469,
0.5189

385.4506, 0.3277,

 4.7054, 0.3455,

0.3796

0.5657

452.5886, 0.3270,
0.3768

■ 2.0754, 0.3438,
0.6562

■ 0.6508, 0.0216,
0.9784

■ 89.7147, 0.3354,
0.4133

■ 89.7147, 0.3354,
0.4133

■ 87.0547, 0.3416,
0.4430

■ 92.6839, 0.3284,
0.3843

■ 84.7002, 0.3466,
0.4723

■ 95.9841, 0.3210,
0.3569

■ 82.6337, 0.3499,
0.4999

■ 99.6236, 0.3134,
0.3314

■ 80.8394, 0.3510,
0.5243

■ 100.0000, 0.3127,
0.3290

■ 79.2995, 0.3497,
0.5441

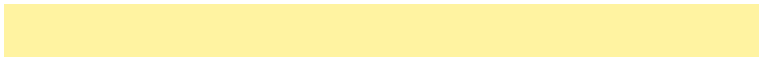
■ 77.9930, 0.3462,
0.5584

■ 76.9871, 0.3415,
0.5670

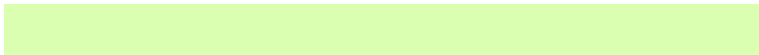
Harmonies

Analogous

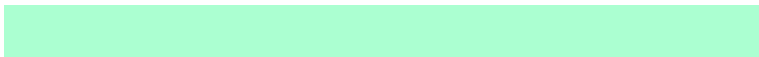
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7147, 0.3778, 0.4086



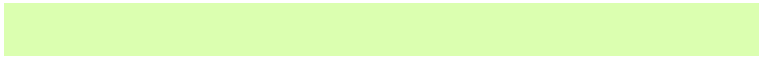
89.7147, 0.3354, 0.4133



89.7147, 0.2888, 0.3899

Triad

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



89.7147, 0.3354, 0.4133



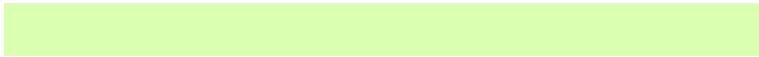
89.7147, 0.2286, 0.2680



89.7147, 0.3770, 0.3090

Complementary

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



89.7147, 0.3354, 0.4133



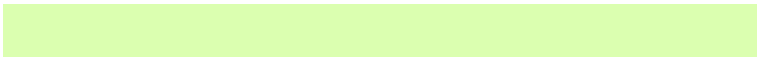
52.2674, 0.2831, 0.2437

Split Complementary

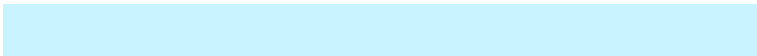
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7147, 0.3322, 0.2777



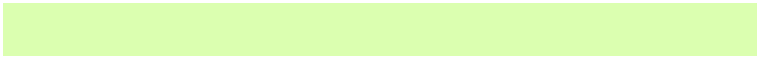
89.7147, 0.3354, 0.4133



89.7147, 0.2479, 0.2538

Square

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



89.7147, 0.3354, 0.4133



89.7147, 0.2293, 0.3006



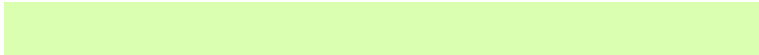
89.7147, 0.2848, 0.2579



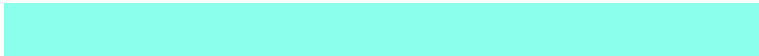
89.7147, 0.4039, 0.3463

Rectangle

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



89.7147, 0.3354, 0.4133



89.7147, 0.2617, 0.3619



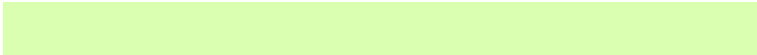
89.7147, 0.2848, 0.2579



89.7147, 0.3634, 0.2976

Sweetspot

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



89.7116, 0.3354, 0.4133



96.6784, 0.3195, 0.3517



71.2551, 0.3723, 0.3659



20.5838, 0.3206, 0.3555



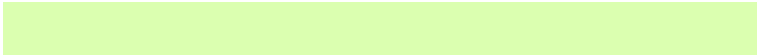
0.0000, 0.0000, 0.0000



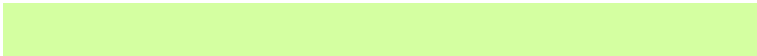
21.4041, 0.3127, 0.3290

Same Dimension

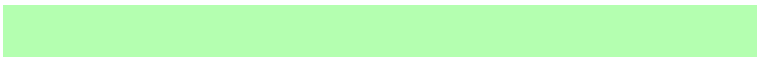
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7116, 0.3354, 0.4133



88.0759, 0.3393, 0.4311



84.3510, 0.3108, 0.4200



20.6551, 0.3198, 0.3530



40.3174, 0.3426, 0.5661



3.9905, 0.3509, 0.5596

Inverse Universe

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



52.2674, 0.2831, 0.2437



45.3775, 0.2758, 0.2254



58.7869, 0.3132, 0.2510



17.7833, 0.3050, 0.3049



5.8080, 0.1938, 0.0841



0.6295, 0.2063, 0.0910

Previews

White Background



This preview shows how the Yxy color 89.7147, 0.3354, 0.4133 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 89.7147, 0.3354, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

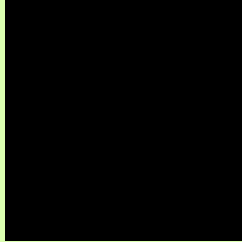
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

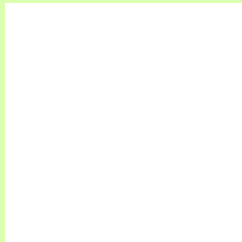
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7147, 0.3354, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 89.7147, 0.3354, 0.4133.

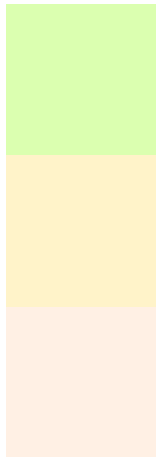


This preview shows how white text looks on a background with the Yxy color 89.7147, 0.3354, 0.4133.

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

89.7147, 0.3354, 0.4133

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.1816, 0.3302, 0.3409



Tritanopia

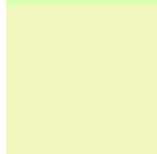
89.1541, 0.3012, 0.3170

Trichromacy



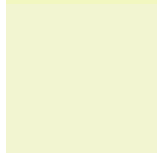
Original Color

89.7147, 0.3354, 0.4133



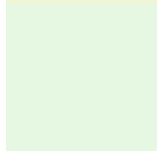
Protanomaly

89.2045, 0.3430, 0.3853



Deuteranomaly

88.7855, 0.3327, 0.3657



Tritanomaly

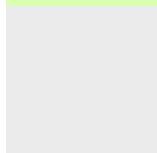
88.8355, 0.3143, 0.3506

Monochromacy



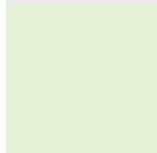
Original Color

89.7147, 0.3354, 0.4133



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0173, 0.3212, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7147, 0.3354, 0.4133 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 89.7147, 0.3354, 0.4133 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, 176) }
```

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

```
.border{ border-color:rgb(219, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7147, 0.3354, 0.4133 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, 176) }
```

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

```
.background{ background-color: rgb(219,  
255, 176) }
```

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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