

Converting Colors

$Yxy(89.1833, 0.3331, 0.4138)$

Have a look what the booklet for
Yxy(89.1833, 0.3331, 0.4138)
contains.

Yxy(89.2535, 0.3334, 0.4138)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.2535, 0.3334, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFB0
RGB	216, 255, 176
RGB Percent	85%, 100%, 69%
CMY	0.1530, 0.0000, 0.3097
CMYK	0.15, 0.00, 0.31, 0.00
HSL	90°, 100%, 85%
HSV	90°, 31%, 100%
XYZ	71.9118, 89.2535, 54.5270
YIQ	234.3330, 2.1150, -32.8370

Conversions

Conversions Part 2

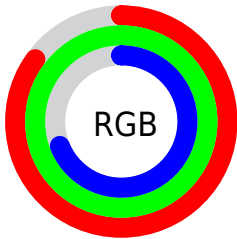
Format	Color
RYB	176, 255, 215
Decimal	14221232
CIELab	95.69, -25.80, 33.74
CIElCh	96, 42.473, 127.404
Yxy	89.2535, 0.3334, 0.4138
Android (android.graphics.Color)	4292411312 (0xFFD8FFB0)
YUV	234.3330, -28.7582, -16.0780
Hunter-Lab	94.4741, -29.4589, 31.9118

Details

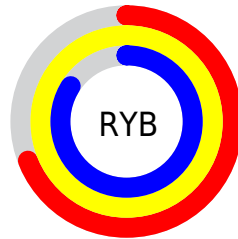
The Yxy color **89.2535, 0.3334, 0.4138** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.7390, 0.2854, 0.2443**, and the grayscale version is **82.7616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **49.2918, 0.3363, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **86.4880, 0.3390, 0.4439**, and if you desaturate by 10%, it is **92.3505, 0.3270, 0.3845**.

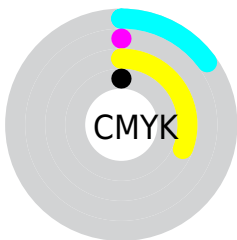
Distribution



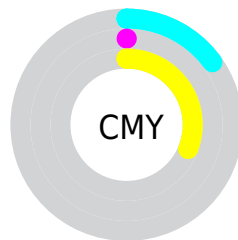
- Red (85%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2535, 0.3334, 0.4138 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 89.2535, 0.3334, 0.4138 by changing the saturation by 10% instead.


 89.2535, 0.3334,
0.4138

 89.2535, 0.3334,
0.4138


525.5995, 0.3252,
0.3745

 67.3617, 0.3349,
0.4227

 146.3010, 0.3308,
0.4002

 49.3786, 0.3366,
0.4336


182.2255, 0.3298,
0.3949

 34.9199, 0.3384,
0.4474


223.5964, 0.3288,
0.3904

 23.6012, 0.3403,
0.4651

270.7979, 0.3279,
0.3864

 15.0380, 0.3420,
0.4887

324.2147, 0.3272,
0.3829

 8.8461, 0.3425,
0.5213

384.2309, 0.3265,

 4.6409, 0.3400,

0.3798

0.5695

451.2310, 0.3258,
0.3770

■ 2.0382, 0.3365,
0.6635

■ 0.6295, 0.0000,
1.0000

■ 89.2535, 0.3334,
0.4138

■ 89.2535, 0.3334,
0.4138

■ 86.4880, 0.3390,
0.4439

■ 92.3505, 0.3270,
0.3845

■ 84.0480, 0.3433,
0.4739

■ 95.7999, 0.3203,
0.3569

■ 81.9159, 0.3460,
0.5022

■ 99.6114, 0.3134,
0.3314

■ 80.0749, 0.3466,
0.5272

■ 100.0000, 0.3127,
0.3290

■ 78.5066, 0.3449,
0.5477

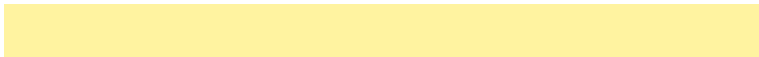
■ 77.1889, 0.3410,
0.5625

■ 76.1855, 0.3361,
0.5714

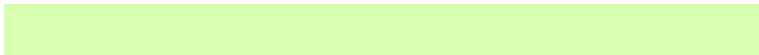
Harmonies

Analogous

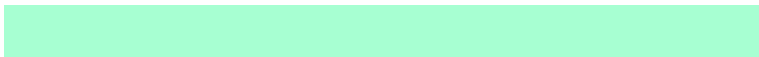
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2535, 0.3768, 0.4102



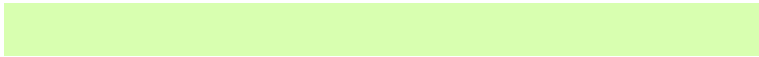
89.2535, 0.3334, 0.4138



89.2535, 0.2865, 0.3889

Triad

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



89.2535, 0.3334, 0.4138



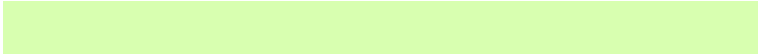
89.2535, 0.2282, 0.2663



89.2535, 0.3795, 0.3105

Complementary

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



89.2535, 0.3334, 0.4138



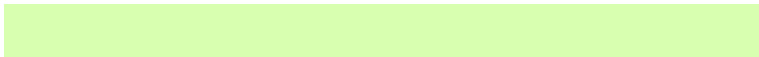
52.7390, 0.2854, 0.2443

Split Complementary

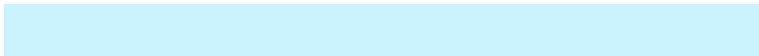
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2535, 0.3347, 0.2784



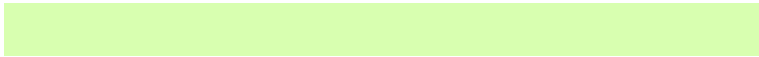
89.2535, 0.3334, 0.4138



89.2535, 0.2487, 0.2529

Square

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



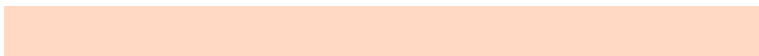
89.2535, 0.3334, 0.4138



89.2535, 0.2280, 0.2983



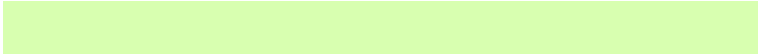
89.2535, 0.2866, 0.2578



89.2535, 0.4055, 0.3482

Rectangle

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



89.2535, 0.3334, 0.4138



89.2535, 0.2595, 0.3601



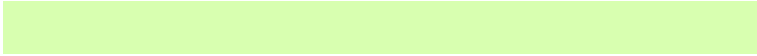
89.2535, 0.2866, 0.2578



89.2535, 0.3659, 0.2988

Sweetspot

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



89.2508, 0.3334, 0.4138



96.5210, 0.3189, 0.3517



72.5902, 0.3714, 0.3685



20.5451, 0.3199, 0.3555



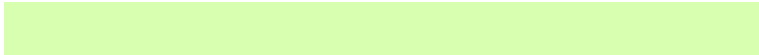
0.0000, 0.0000, 0.0000



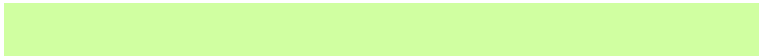
21.4041, 0.3127, 0.3290

Same Dimension

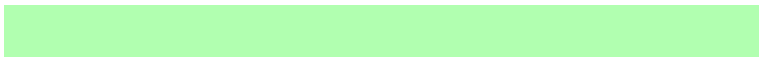
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2508, 0.3334, 0.4138



87.5448, 0.3369, 0.4319



84.0439, 0.3092, 0.4204



20.6196, 0.3193, 0.3530



39.8975, 0.3372, 0.5704



3.9497, 0.3457, 0.5637

Inverse Universe

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



52.7390, 0.2854, 0.2443



45.8930, 0.2786, 0.2262



59.2944, 0.3153, 0.2515



17.8185, 0.3057, 0.3050



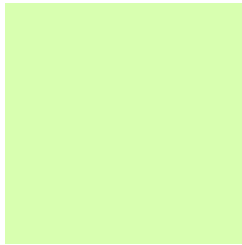
6.1797, 0.2010, 0.0881



0.6665, 0.2132, 0.0948

Previews

White Background



This preview shows how the Yxy color 89.2535, 0.3334, 0.4138 looks on a white background.

Color Contrast Check

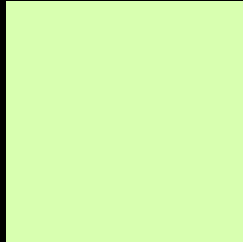
Large Text (above 18pt) WCAG AA × Fail

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 89.2535, 0.3334, 0.4138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

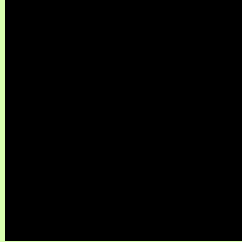
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

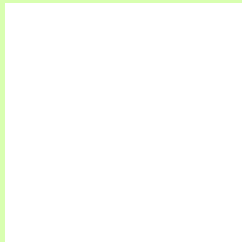
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2535, 0.3334, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 89.2535, 0.3334, 0.4138.

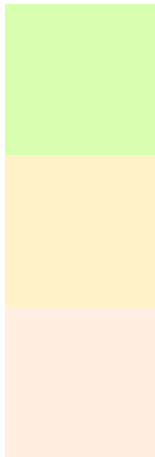


This preview shows how white text looks on a background with the Yxy color 89.2535, 0.3334, 0.4138.

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

89.2535, 0.3334, 0.4138

Protanopia

88.8415, 0.3492, 0.3729

Deuteranopia

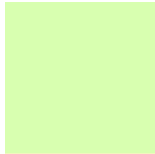
88.5391, 0.3310, 0.3409



Tritanopia

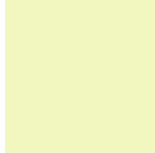
88.8136, 0.2999, 0.3170

Trichromacy



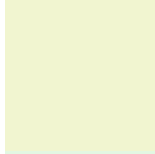
Original Color

89.2535, 0.3334, 0.4138



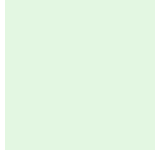
Protanomaly

88.9400, 0.3435, 0.3875



Deuteranomaly

88.5597, 0.3327, 0.3668



Tritanomaly

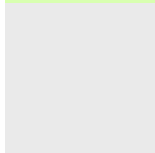
88.3434, 0.3123, 0.3508

Monochromacy



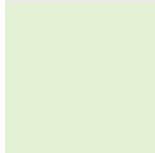
Original Color

89.2535, 0.3334, 0.4138



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.6393, 0.3205, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2535, 0.3334, 0.4138 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(216, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 89.2535, 0.3334, 0.4138 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(216, 255, 176) }
```

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

```
.border{ border-color:rgb(216, 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(216, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2535, 0.3334, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 176) }
```

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

```
.background{ background-color: rgb(216,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor