

# Converting Colors

$Y_{xy}(112.6232, 0.3246, 0.4313)$

Have a look what the booklet for  
Yxy(112.6232, 0.3246, 0.4313)  
contains.

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# Color

**Yxy(89.9706, 0.3291, 0.4026)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAFFBA
RGB	218, 255, 186
RGB Percent	85%, 100%, 73%
CMY	0.1450, 0.0000, 0.2705
CMYK	0.14, 0.00, 0.27, 0.00
HSL	92°, 100%, 86%
HSV	92°, 27%, 100%
XYZ	73.5453, 89.9706, 59.9581
YIQ	236.0710, 0.0970, -29.3030

# Conversions

## Conversions Part 2

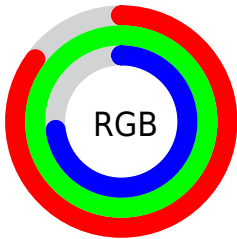
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	186, 255, 223
Decimal	14352314
CIE <sub>Lab</sub>	95.98, -23.66, 29.15
CIE <sub>LCh</sub>	96, 37.542, 129.069
Yxy	89.9706, 0.3291, 0.4026
Android (android.graphics.Color)	4292542394 (0xFFDAFFBA)
YUV	236.0710, -24.6850, -15.8483
Hunter-Lab	94.8528, -27.5904, 28.9188

# Details

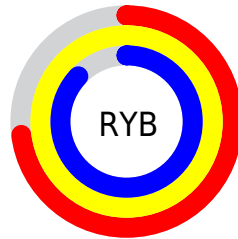
The Yxy color **89.9706, 0.3291, 0.4026** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0359, 0.2917, 0.2563**, and the grayscale version is **84.1382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **49.7355, 0.3317, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **86.9634, 0.3343, 0.4330**, and if you desaturate by 10%, it is **93.3529, 0.3232, 0.3736**.

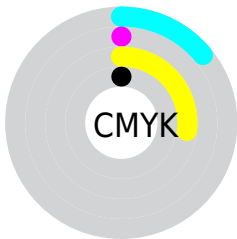
# Distribution



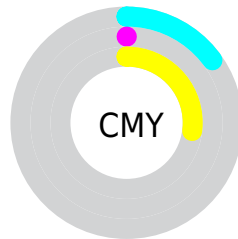
- Red (85%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9706, 0.3291, 0.4026 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 89.9706, 0.3291, 0.4026 by changing the saturation by 10% instead.




 89.9706, 0.3291,  
0.4026

 89.9706, 0.3291,  
0.4026


527.9352, 0.3226,  
0.3686

 67.9563, 0.3303,  
0.4103


 147.2976, 0.3270,  
0.3909

 49.8622, 0.3317,  
0.4198


183.3790, 0.3262,  
0.3863

 35.3039, 0.3333,  
0.4317


224.9182, 0.3254,  
0.3823

 23.8971, 0.3349,  
0.4470

272.2996, 0.3247,  
0.3789

 15.2573, 0.3365,  
0.4676

325.9076, 0.3241,  
0.3759

 9.0001, 0.3376,  
0.4964

386.1266, 0.3235,

 4.7413, 0.3363,

0.3732

0.5387

453.3410, 0.3230,  
0.3708

■ 2.0963, 0.3508,  
0.6492

■ 0.6625, 0.0729,  
0.9271

■ 89.9706, 0.3291,  
0.4026

■ 89.9706, 0.3291,  
0.4026

■ 86.9634, 0.3343,  
0.4330

■ 93.3529, 0.3232,  
0.3736

■ 84.3051, 0.3385,  
0.4637

■ 97.1122, 0.3171,  
0.3466

■ 81.9841, 0.3412,  
0.4935

■ 99.9979, 0.3127,  
0.3290

■ 79.9834, 0.3421,  
0.5208

■ 78.2841, 0.3408,  
0.5439

■ 76.8646, 0.3374,  
0.5615

■ 75.6985, 0.3322,  
0.5731

■ 75.3924, 0.3305,  
0.5758

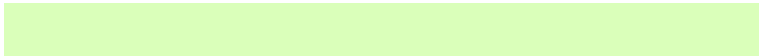
# Harmonies

## Analogous

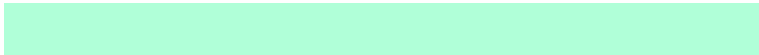
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9706, 0.3678, 0.4016



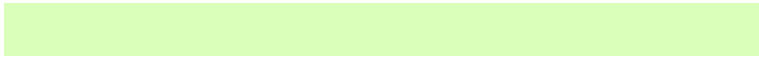
89.9706, 0.3291, 0.4026



89.9706, 0.2876, 0.3795

# Triad

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



89.9706, 0.3291, 0.4026



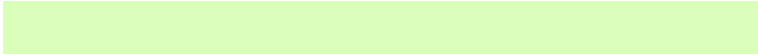
89.9706, 0.2380, 0.2725



89.9706, 0.3734, 0.3146

# Complementary

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



89.9706, 0.3291, 0.4026



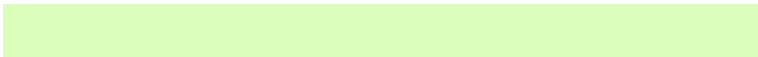
58.0359, 0.2917, 0.2563

# Split Complementary

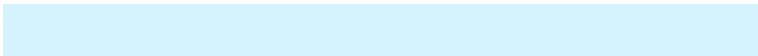
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9706, 0.3347, 0.2853



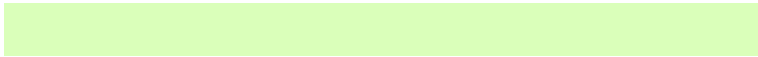
89.9706, 0.3291, 0.4026



89.9706, 0.2574, 0.2611

# Square

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



89.9706, 0.3291, 0.4026



89.9706, 0.2369, 0.3004



89.9706, 0.2920, 0.2661

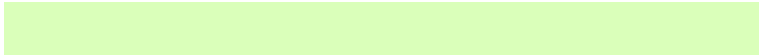


89.9706, 0.3950, 0.3486

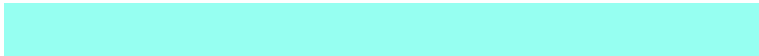


# Rectangle

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



89.9706, 0.3291, 0.4026



89.9706, 0.2640, 0.3541



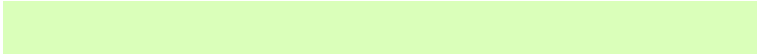
89.9706, 0.2920, 0.2661



89.9706, 0.3618, 0.3040

# Sweetspot

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



89.9745, 0.3291, 0.4026



96.7400, 0.3177, 0.3491



77.4801, 0.3617, 0.3667



20.5812, 0.3186, 0.3531



0.0000, 0.0000, 0.0000

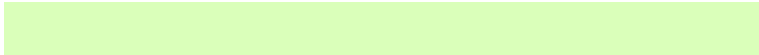


21.4041, 0.3127, 0.3290

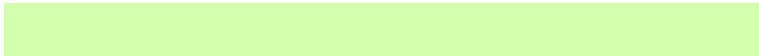


# Same Dimension

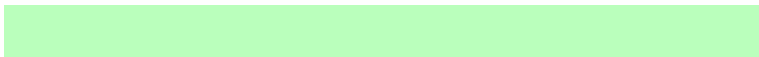
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9745, 0.3291, 0.4026



88.4407, 0.3318, 0.4175



85.6054, 0.3078, 0.4046



20.5812, 0.3186, 0.3531



39.4821, 0.3317, 0.5748



3.9084, 0.3404, 0.5679



# Inverse Universe

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



58.0359, 0.2917, 0.2563



52.0332, 0.2869, 0.2418



63.4613, 0.3176, 0.2635



17.8571, 0.3063, 0.3050



6.6269, 0.2093, 0.0927

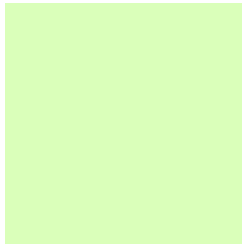


0.7103, 0.2211, 0.0992



# Previews

## White Background



This preview shows how the Yxy color 89.9706, 0.3291, 0.4026 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 89.9706, 0.3291, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

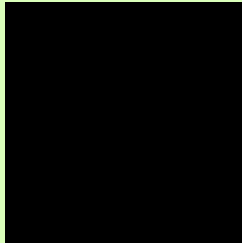
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

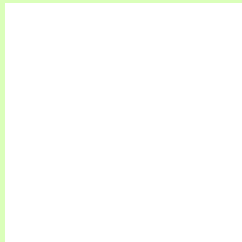
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.9706, 0.3291, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.9706, 0.3291, 0.4026.

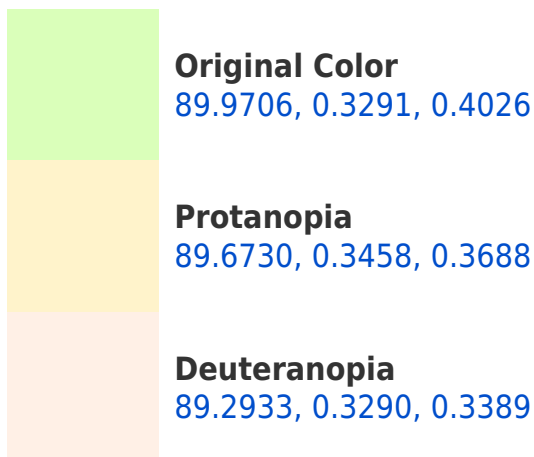


This preview shows how white text looks on a background with the Yxy color 89.9706, 0.3291, 0.4026.

# 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

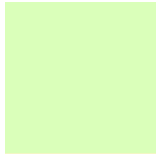




## Tritanopia

89.7542, 0.3012, 0.3181

# Trichromacy



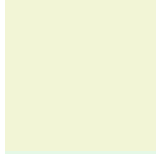
## Original Color

89.9706, 0.3291, 0.4026



## Protanomaly

89.4300, 0.3399, 0.3801



## Deuteranomaly

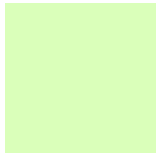
89.0371, 0.3296, 0.3605



## Tritanomaly

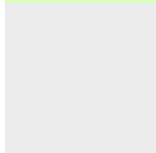
89.5060, 0.3112, 0.3475

# Monochromacy



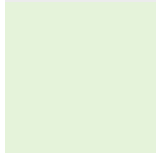
## Original Color

89.9706, 0.3291, 0.4026



## 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 89.9706, 0.3291, 0.4026 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(218, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 186)  
}
```

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(218, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 89.9706, 0.3291, 0.4026 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(218, 255, 186) }
```

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

```
.border{ border-color:rgb(218, 255, 186) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.9706, 0.3291, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 186) }
```

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

```
.background{ background-color: rgb(218,  
255, 186) }
```

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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