

# Converting Colors

$Yxy(89.4466, 0.3353, 0.3986)$

Have a look what the booklet for  
Yxy(89.4466, 0.3353, 0.3986)  
contains.

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# Color

**Yxy(89.4969, 0.3355, 0.3985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FCBA
RGB	227, 252, 186
RGB Percent	89%, 99%, 73%
CMY	0.1098, 0.0117, 0.2707
CMYK	0.10, 0.00, 0.26, 0.01
HSL	83°, 92%, 86%
HSV	83°, 26%, 99%
XYZ	75.3481, 89.4969, 59.7395
YIQ	237.0010, 6.2860, -25.8260

# Conversions

## Conversions Part 2

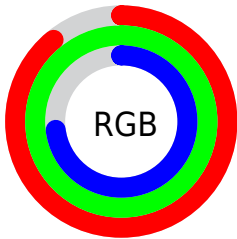
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 252, 211
Decimal	14941370
CIELab	95.79, -19.09, 29.01
CIELCh	96, 34.726, 123.353
Yxy	89.4969, 0.3355, 0.3985
Android (android.graphics.Color)	4293131450 (0xFFE3FCBA)
YUV	237.0010, -25.1435, -8.7709
Hunter-Lab	94.6028, -23.3854, 28.7817

# Details

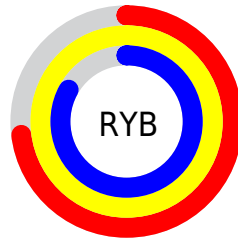
The Yxy color **89.4969, 0.3355, 0.3985** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.9801, 0.2848, 0.2573**, and the grayscale version is **84.8826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **49.3541, 0.3400, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **87.0127, 0.3435, 0.4271**, and if you desaturate by 10%, it is **92.2640, 0.3269, 0.3707**.

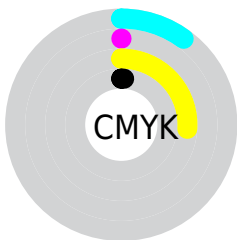
# Distribution



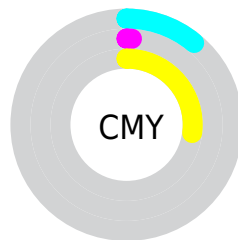
- Red (89%)
- Green (99%)
- Blue (73%)



- Red (73%)
- Yellow (99%)
- Blue (83%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)
- Black (1%)




- Cyan (11%)
- Magenta (1%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4969, 0.3355, 0.3985 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 89.4969, 0.3355, 0.3985 by changing the saturation by 10% instead.



 89.4969, 0.3355,  
0.3985

 89.4969, 0.3355,  
0.3985


526.3929, 0.3260,  
0.3666

 67.5635, 0.3374,  
0.4057


 146.6394, 0.3324,  
0.3875

 49.5427, 0.3396,  
0.4145


182.6172, 0.3311,  
0.3832

 35.0501, 0.3423,  
0.4255


224.0452, 0.3300,  
0.3795

 23.7015, 0.3453,  
0.4398

271.3079, 0.3290,  
0.3763

 15.1123, 0.3488,  
0.4587

324.7896, 0.3282,  
0.3734

 8.8983, 0.3525,  
0.4850

384.8748, 0.3274,

 4.6749, 0.3553,

0.3709

0.5232

451.9477, 0.3266,  
0.3686

■ 2.0578, 0.3773,  
0.6227

■ 0.6407, 0.1824,  
0.8176

■ 89.4969, 0.3355,  
0.3985

■ 89.4969, 0.3355,  
0.3985

■ 87.0127, 0.3435,  
0.4271

■ 92.2640, 0.3269,  
0.3707

■ 84.7883, 0.3505,  
0.4557

■ 95.3129, 0.3181,  
0.3444

■ 82.8154, 0.3559,  
0.4830

■ 98.1067, 0.3128,  
0.3262

■ 81.0805, 0.3593,  
0.5076

■ 79.5686, 0.3604,  
0.5283

■ 78.2622, 0.3589,  
0.5441

■ 77.1399, 0.3551,  
0.5546

■ 76.7505, 0.3533,  
0.5576

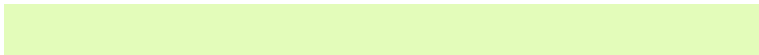
# Harmonies

## Analogous

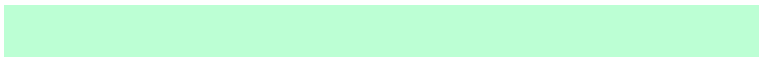
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4969, 0.3696, 0.3938



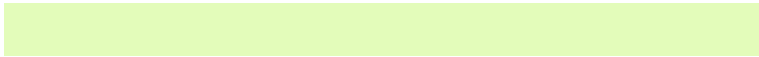
89.4969, 0.3355, 0.3985



89.4969, 0.2966, 0.3811

# Triad

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



89.4969, 0.3355, 0.3985



89.4969, 0.2416, 0.2805



89.4969, 0.3630, 0.3100

# Complementary

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



89.4969, 0.3355, 0.3985



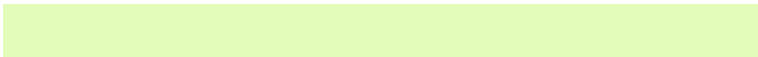
55.9801, 0.2848, 0.2573

# Split Complementary

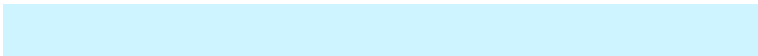
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4969, 0.3255, 0.2840



89.4969, 0.3355, 0.3985



89.4969, 0.2566, 0.2666

# Square

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



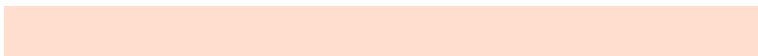
89.4969, 0.3355, 0.3985



89.4969, 0.2439, 0.3092



89.4969, 0.2866, 0.2684

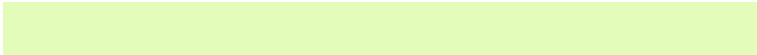


89.4969, 0.3867, 0.3414

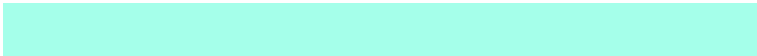


# Rectangle

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



89.4969, 0.3355, 0.3985



89.4969, 0.2733, 0.3594



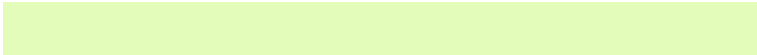
89.4969, 0.2866, 0.2684



89.4969, 0.3514, 0.3005

# Sweetspot

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



89.5008, 0.3355, 0.3985



97.3190, 0.3197, 0.3490



70.4252, 0.3628, 0.3543



20.7270, 0.3210, 0.3529



0.0000, 0.0000, 0.0000

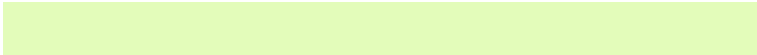


21.4041, 0.3127, 0.3290

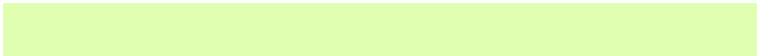


# Same Dimension

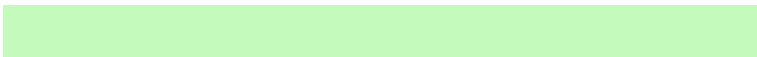
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5008, 0.3355, 0.3985



90.6697, 0.3395, 0.4122



84.7427, 0.3146, 0.4032



19.8432, 0.3210, 0.3528



40.0640, 0.3544, 0.5568



3.7713, 0.3621, 0.5507



# Inverse Universe

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



55.9801, 0.2848, 0.2573



51.3572, 0.2786, 0.2425



61.2248, 0.3090, 0.2622



16.9633, 0.3038, 0.3049



5.0186, 0.1810, 0.0771

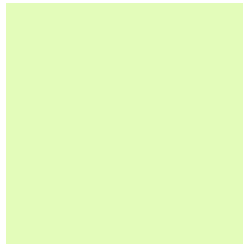


0.5234, 0.1941, 0.0843



# Previews

## White Background



This preview shows how the Yxy color 89.4969, 0.3355, 0.3985 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 89.4969, 0.3355, 0.3985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

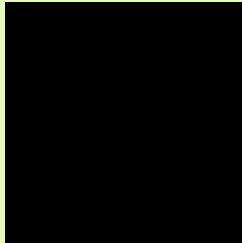
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

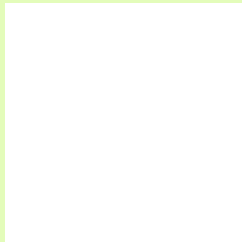
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.4969, 0.3355, 0.3985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4969, 0.3355, 0.3985.

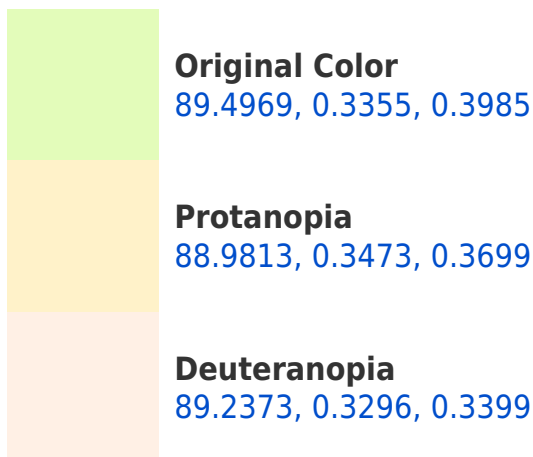


This preview shows how white text looks on a background with the Yxy color 89.4969, 0.3355, 0.3985.

# 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

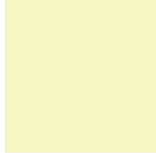
89.0750, 0.3031, 0.3161

# Trichromacy



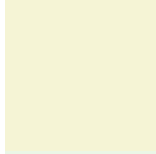
## Original Color

89.4969, 0.3355, 0.3985



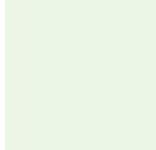
## Protanomaly

89.3095, 0.3427, 0.3799



## Deuteranomaly

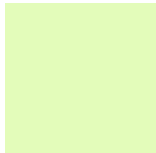
88.9179, 0.3324, 0.3604



## Tritanomaly

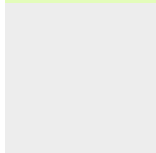
89.2869, 0.3152, 0.3453

# Monochromacy



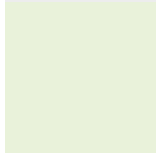
## Original Color

89.4969, 0.3355, 0.3985



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

85.8899, 0.3214, 0.3539

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4969, 0.3355, 0.3985 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(227, 252, 186)` looks like.

```
.text, #text, p{  
    color:rgb(227, 252, 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(227, 252, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 252, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4969, 0.3355, 0.3985 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(227, 252, 186) }
```

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

```
.border{ border-color:rgb(227, 252, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 252, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 252, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 252, 186); box-shadow:4px 4px 4px 4px rgb(227, 252, 186) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4969, 0.3355, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 252, 186) }
```

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

```
.background{ background-color: rgb(227,  
252, 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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