

Converting Colors

$Yxy(89.6141, 0.3427, 0.3956)$

Have a look what the booklet for
Yxy(89.6141, 0.3427, 0.3956)
contains.

Yxy(89.7069, 0.3425, 0.3963)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.7069, 0.3425, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	ECFAB9
RGB	236, 250, 185
RGB Percent	93%, 98%, 73%
CMY	0.0746, 0.0196, 0.2745
CMYK	0.06, 0.00, 0.26, 0.02
HSL	73°, 87%, 85%
HSV	73°, 26%, 98%
XYZ	77.5287, 89.7069, 59.1255
YIQ	238.4040, 12.5210, -23.1830

Conversions

Conversions Part 2

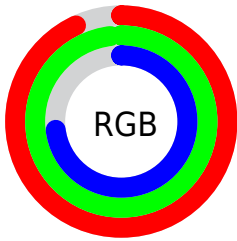
Format	Color
RYB	185, 250, 199
Decimal	15530681
CIELab	95.88, -15.05, 29.72
CIELCh	96, 33.312, 116.852
Yxy	89.7069, 0.3425, 0.3963
Android (android.graphics.Color)	4293720761 (0xFFECAFAB9)
YUV	238.4040, -26.3282, -2.1083
Hunter-Lab	94.7137, -19.6364, 29.2875

Details

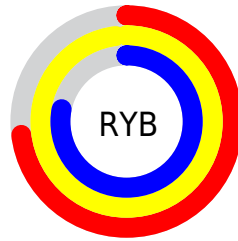
The Yxy color **89.7069, 0.3425, 0.3963** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.7466, 0.2774, 0.2563**, and the grayscale version is **86.0299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **49.9256, 0.3488, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **87.8363, 0.3535, 0.4232**, and if you desaturate by 10%, it is **91.7990, 0.3310, 0.3696**.

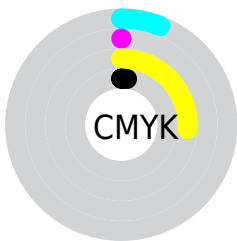
Distribution



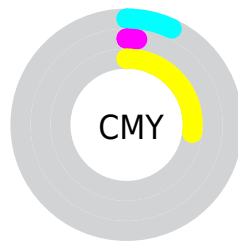
- Red (93%)
- Green (98%)
- Blue (73%)



- Red (73%)
- Yellow (98%)
- Blue (78%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (2%)





- Cyan (7%)
- Magenta (2%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7069, 0.3425, 0.3963 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 89.7069, 0.3425, 0.3963 by changing the saturation by 10% instead.


 89.7069, 0.3425,
0.3963

 89.7069, 0.3425,
0.3963


527.0769, 0.3298,
0.3656

 67.7376, 0.3451,
0.4032


 146.9312, 0.3383,
0.3858

 49.6843, 0.3482,
0.4115


182.9550, 0.3366,
0.3816

 35.1626, 0.3519,
0.4220


224.4323, 0.3351,
0.3781

 23.7881, 0.3564,
0.4354

271.7477, 0.3338,
0.3750

 15.1765, 0.3618,
0.4530

325.2854, 0.3326,
0.3722

 8.9434, 0.3681,
0.4772

385.4300, 0.3316,

 4.7043, 0.3747,

0.3698

0.5118

452.5657, 0.3307,
0.3676

■ 2.0748, 0.4016,
0.5984

■ 0.6504, 0.2784,
0.7216

■ 89.7069, 0.3425,
0.3963

■ 89.7069, 0.3425,
0.3963

■ 87.8363, 0.3535,
0.4232

■ 91.7990, 0.3310,
0.3696

■ 86.1653, 0.3634,
0.4494

■ 94.1100, 0.3195,
0.3438

■ 84.6871, 0.3718,
0.4738

■ 96.3261, 0.3112,
0.3242

■ 83.3897, 0.3781,
0.4952

■ 96.8591, 0.3129,
0.3243

■ 82.2594, 0.3820,
0.5126

■ 81.2806, 0.3832,
0.5253

■ 80.4337, 0.3819,
0.5334

■ 80.1205, 0.3809,
0.5358

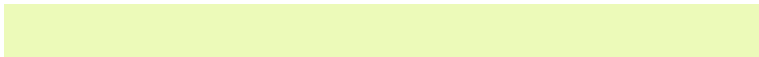
Harmonies

Analogous

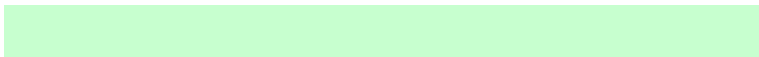
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7069, 0.3728, 0.3878



89.7069, 0.3425, 0.3963



89.7069, 0.3053, 0.3841

Triad

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



89.7069, 0.3425, 0.3963



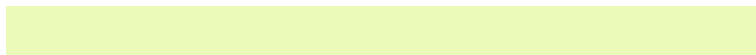
89.7069, 0.2434, 0.2874



89.7069, 0.3539, 0.3048

Complementary

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



89.7069, 0.3425, 0.3963



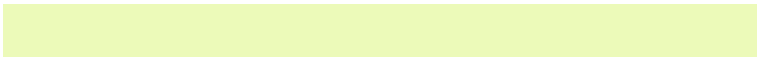
53.7466, 0.2774, 0.2563

Split Complementary

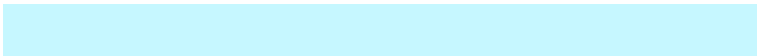
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7069, 0.3167, 0.2815



89.7069, 0.3425, 0.3963



89.7069, 0.2543, 0.2707

Square

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



89.7069, 0.3425, 0.3963



89.7069, 0.2494, 0.3175



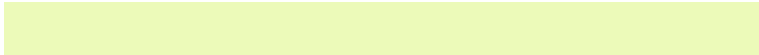
89.7069, 0.2805, 0.2691



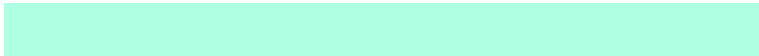
89.7069, 0.3803, 0.3344

Rectangle

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



89.7069, 0.3425, 0.3963



89.7069, 0.2818, 0.3654



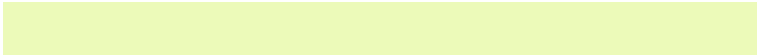
89.7069, 0.2805, 0.2691



89.7069, 0.3421, 0.2961

Sweetspot

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



89.7109, 0.3425, 0.3963



97.9294, 0.3218, 0.3489



64.2176, 0.3651, 0.3429



20.8813, 0.3236, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

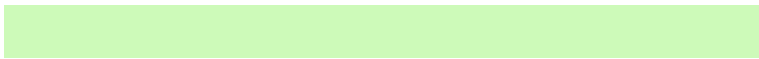
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7109, 0.3425, 0.3963



92.8185, 0.3481, 0.4099



84.7903, 0.3215, 0.4010



19.9906, 0.3235, 0.3527



42.5589, 0.3816, 0.5352



3.9870, 0.3863, 0.5315

Inverse Universe

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



53.7466, 0.2774, 0.2563



49.5905, 0.2692, 0.2403



58.5072, 0.3008, 0.2611



16.8236, 0.3013, 0.3047



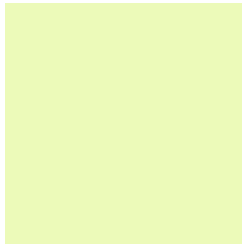
4.1271, 0.1611, 0.0661



0.4263, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 89.7069, 0.3425, 0.3963 looks on a white background.

Color Contrast Check

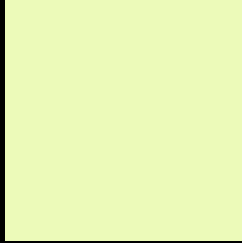
Large Text (above 18pt) WCAG AA × Fail

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 89.7069, 0.3425, 0.3963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

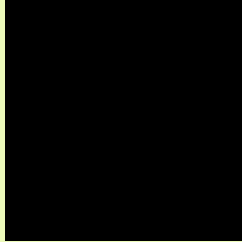
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

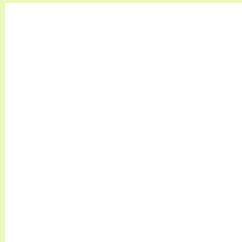
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7069, 0.3425, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 89.7069, 0.3425, 0.3963.

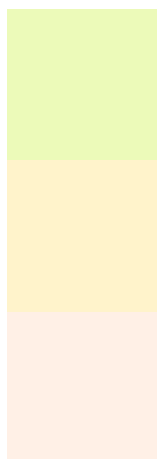


This preview shows how white text looks on a background with the Yxy color 89.7069, 0.3425, 0.3963.

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

89.7069, 0.3425, 0.3963

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

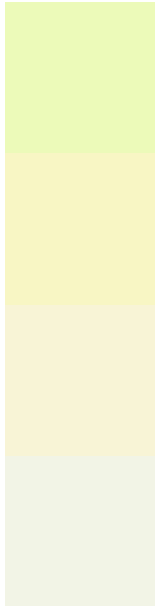
89.2933, 0.3290, 0.3389



Tritanopia

89.5431, 0.3069, 0.3153

Trichromacy



Original Color

89.7069, 0.3425, 0.3963

Protanomaly

89.8535, 0.3448, 0.3795

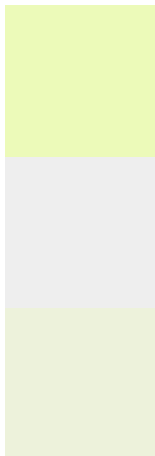
Deuteranomaly

89.5129, 0.3338, 0.3592

Tritanomaly

89.2918, 0.3199, 0.3431

Monochromacy



Original Color

89.7069, 0.3425, 0.3963

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.6233, 0.3235, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7069, 0.3425, 0.3963 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(236, 250, 185)` looks like.

```
.text, #text, p{  
    color:rgb(236, 250, 185)  
}
```

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(236, 250, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 250, 185) }
```

Border

The CSS property to change the border of an element to Yxy 89.7069, 0.3425, 0.3963 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(236, 250, 185) }
```

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

```
.border{ border-color:rgb(236, 250, 185) }
```

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

Here you see how a box with a 4 pixel rgb(236, 250, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 250, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 250, 185);  
box-shadow:4px 4px 4px 4px rgb(236, 250,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7069, 0.3425, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 250, 185) }
```

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

```
.background{ background-color: rgb(236,  
250, 185) }
```

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