

# Converting Colors

Yxy(92.4403, 0.3439, 0.4040)

Have a look what the booklet for  
Yxy(92.4403, 0.3439, 0.4040)  
contains.

<b>Yxy(92.0939, 0.3435, 0.4031)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(92.0939, 0.3435, 0.4031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFEB6
RGB	236, 254, 182
RGB Percent	93%, 100%, 71%
CMY	0.0745, 0.0039, 0.2863
CMYK	0.07, 0.00, 0.28, 0.00
HSL	75°, 97%, 85%
HSV	75°, 28%, 100%
XYZ	78.4774, 92.0939, 57.8928
YIQ	240.4100, 12.3840, -26.2080

# Conversions

## Conversions Part 2

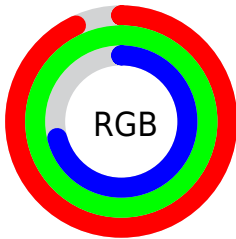
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 254, 200
Decimal	15531702
CIELab	96.86, -17.39, 32.56
CIELCh	97, 36.910, 118.106
Yxy	92.0939, 0.3435, 0.4031
Android (android.graphics.Color)	4293721782 (0xFFECEFEB6)
YUV	240.4100, -28.7961, -3.8676
Hunter-Lab	95.9656, -21.9684, 31.4082

# Details

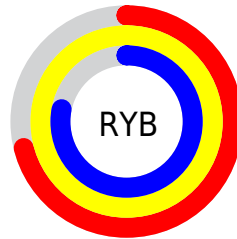
The Yxy color **92.0939, 0.3435, 0.4031** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.8903, 0.2754, 0.2492**, and the grayscale version is **87.7008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **51.0747, 0.3492, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **90.0734, 0.3537, 0.4304**, and if you desaturate by 10%, it is **94.3517, 0.3327, 0.3760**.

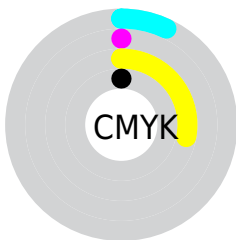
# Distribution



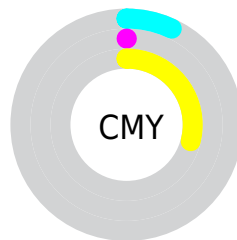
- Red (93%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (78%)



- Cyan (7%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.0939, 0.3435, 0.4031 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 92.0939, 0.3435, 0.4031 by changing the saturation by 10% instead.




 92.0939, 0.3435,  
0.4031

 92.0939, 0.3435,  
0.4031


534.8189, 0.3306,  
0.3694

 69.7186, 0.3461,  
0.4106

 150.2435, 0.3393,  
0.3916

 51.2972, 0.3492,  
0.4197


186.7867, 0.3376,  
0.3870

 36.4452, 0.3528,  
0.4311

228.8212, 0.3360,  
0.3831

 24.7782, 0.3571,  
0.4457

276.7316, 0.3347,  
0.3797

 15.9119, 0.3620,  
0.4647

330.9021, 0.3335,  
0.3766

 9.4618, 0.3675,  
0.4906

391.7173, 0.3324,

 5.0436, 0.3724,

0.3740

0.5271

459.5614, 0.3315,  
0.3716

■ 2.2729, 0.3908,  
0.6092

■ 0.7593, 0.2813,  
0.7187

■ 92.0939, 0.3435,  
0.4031

■ 92.0939, 0.3435,  
0.4031

■ 90.0734, 0.3537,  
0.4304

■ 94.3517, 0.3327,  
0.3760

■ 88.2673, 0.3627,  
0.4568

■ 96.8444, 0.3218,  
0.3498

■ 86.6679, 0.3700,  
0.4812

99.3674, 0.3128,  
0.3281

■ 85.2623, 0.3751,  
0.5025

■ 84.0358, 0.3778,  
0.5195

■ 82.9711, 0.3777,  
0.5318

■ 82.0442, 0.3754,  
0.5395

■ 81.8990, 0.3749,  
0.5405

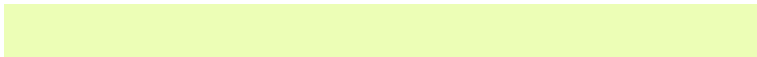
# Harmonies

## Analogous

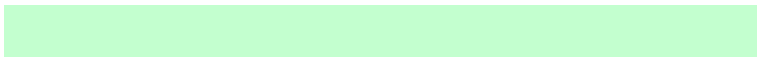
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0939, 0.3774, 0.3941



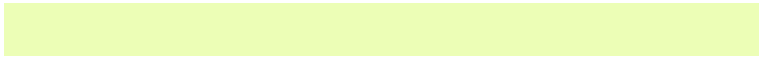
92.0939, 0.3435, 0.4031



92.0939, 0.3027, 0.3889

# Triad

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



92.0939, 0.3435, 0.4031



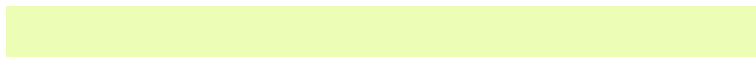
92.0939, 0.2372, 0.2821



92.0939, 0.3594, 0.3037

# Complementary

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



92.0939, 0.3435, 0.4031



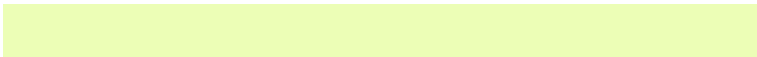
52.8903, 0.2754, 0.2492

# 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.



92.0939, 0.3187, 0.2781



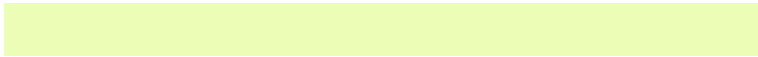
92.0939, 0.3435, 0.4031



92.0939, 0.2498, 0.2648

# Square

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



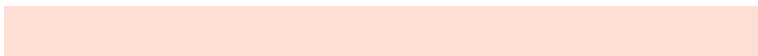
92.0939, 0.3435, 0.4031



92.0939, 0.2428, 0.3145



92.0939, 0.2788, 0.2640

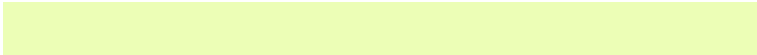


92.0939, 0.3878, 0.3360

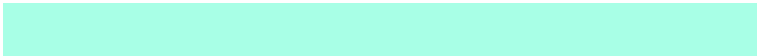


# Rectangle

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



92.0939, 0.3435, 0.4031



92.0939, 0.2772, 0.3676



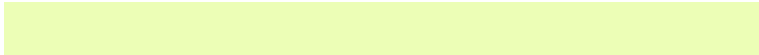
92.0939, 0.2788, 0.2640



92.0939, 0.3466, 0.2941

# Sweetspot

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



92.0980, 0.3435, 0.4031



97.5370, 0.3225, 0.3515



65.7575, 0.3702, 0.3479



20.7958, 0.3241, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

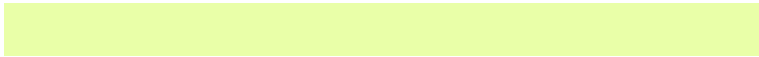


# Same Dimension

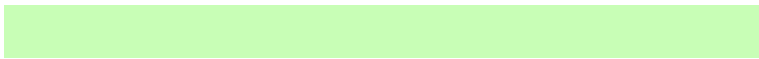
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.0980, 0.3435, 0.4031



91.7365, 0.3494, 0.4186



86.5440, 0.3199, 0.4089



20.8487, 0.3230, 0.3528



43.2492, 0.3756, 0.5399



4.2625, 0.3808, 0.5358



# Inverse Universe

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



52.8903, 0.2754, 0.2492



46.2803, 0.2662, 0.2310



58.4444, 0.3022, 0.2551



17.5971, 0.3018, 0.3047



4.3965, 0.1643, 0.0679

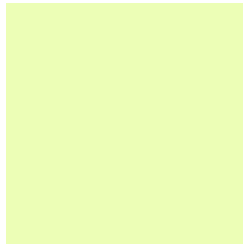


0.4769, 0.1752, 0.0739



# Previews

## White Background



This preview shows how the Yxy color 92.0939, 0.3435, 0.4031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

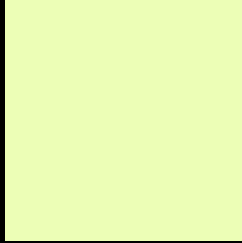
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.0939, 0.3435, 0.4031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

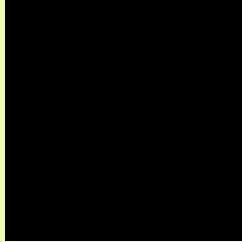
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

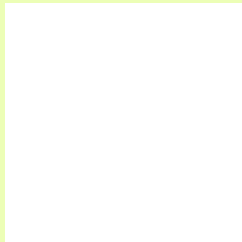
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.0939, 0.3435, 0.4031**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.0939, 0.3435, 0.4031.

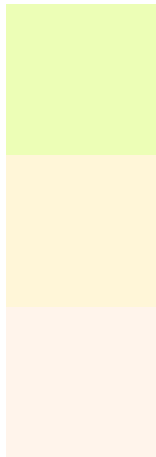


This preview shows how white text looks on a background with the Yxy color 92.0939, 0.3435, 0.4031.

# 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

92.0939, 0.3435, 0.4031

### Protanopia

92.1294, 0.3371, 0.3586

### Deuteranopia

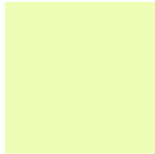
91.9595, 0.3254, 0.3378



## Tritanopia

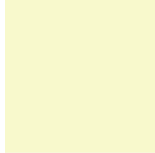
92.1176, 0.3074, 0.3193

# Trichromacy



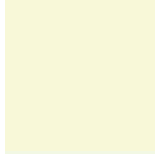
## Original Color

92.0939, 0.3435, 0.4031



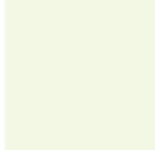
## Protanomaly

92.0675, 0.3393, 0.3742



## Deuteranomaly

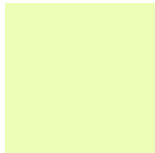
92.0491, 0.3321, 0.3610



## Tritanomaly

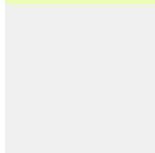
91.6135, 0.3208, 0.3491

# Monochromacy



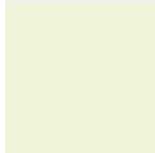
## Original Color

92.0939, 0.3435, 0.4031



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.7700, 0.3245, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.0939, 0.3435, 0.4031 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, 254, 182)` looks like.

```
.text, #text, p{  
    color:rgb(236, 254, 182)  
}
```

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, 254, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 254, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 92.0939, 0.3435, 0.4031 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, 254, 182) }
```

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

```
.border{ border-color:rgb(236, 254, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 254, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 254, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 254, 182);  
box-shadow:4px 4px 4px 4px rgb(236, 254,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.0939, 0.3435, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 254, 182) }
```

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

```
.background{ background-color: rgb(236,  
254, 182) }
```

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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