

# Converting Colors

$Y_{xy}(154.3407, 0.3271, 0.4658)$

Have a look what the booklet for  
Yxy(154.3407, 0.3271, 0.4658)  
contains.

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# Color

**Yxy(91.9278, 0.3394, 0.4038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FFB7
RGB	231, 255, 183
RGB Percent	91%, 100%, 72%
CMY	0.0940, 0.0000, 0.2824
CMYK	0.09, 0.00, 0.28, 0.00
HSL	80°, 100%, 86%
HSV	80°, 28%, 100%
XYZ	77.2667, 91.9278, 58.4623
YIQ	239.6160, 8.8080, -27.4800

# Conversions

## Conversions Part 2

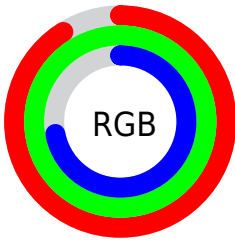
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 255, 207
Decimal	15204279
CIELab	96.79, -19.52, 31.91
CIELCh	97, 37.408, 121.455
Yxy	91.9278, 0.3394, 0.4038
Android (android.graphics.Color)	4293394359 (0xFFE7FFB7)
YUV	239.6160, -27.9117, -7.5562
Hunter-Lab	95.8790, -23.9391, 30.9632

# Details

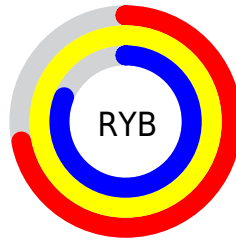
The Yxy color **91.9278, 0.3394, 0.4038** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.3410, 0.2798, 0.2505**, and the grayscale version is **87.0428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **51.0871, 0.3448, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **89.5852, 0.3481, 0.4320**, and if you desaturate by 10%, it is **94.5384, 0.3301, 0.3761**.

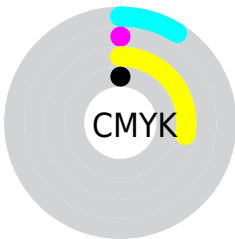
# Distribution



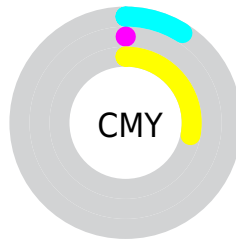
- Red (91%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (81%)



- Cyan (9%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.9278, 0.3394, 0.4038 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 91.9278, 0.3394, 0.4038 by changing the saturation by 10% instead.





 91.9278, 0.3394,  
0.4038

 91.9278, 0.3394,  
0.4038


534.2822, 0.3283,  
0.3696

 69.5807, 0.3416,  
0.4114

 150.0133, 0.3358,  
0.3921

 51.1847, 0.3442,  
0.4208


186.5205, 0.3343,  
0.3875

 36.3557, 0.3472,  
0.4324


228.5165, 0.3330,  
0.3835

 24.7090, 0.3507,  
0.4473

276.3856, 0.3319,  
0.3800

 15.8604, 0.3546,  
0.4670

330.5124, 0.3309,  
0.3770

 9.4254, 0.3587,  
0.4940

391.2811, 0.3299,

 5.0197, 0.3617,

0.3743

0.5323

459.0763, 0.3291,  
0.3718

■ 2.2588, 0.3783,  
0.6217

■ 0.7518, 0.2405,  
0.7595

■ 91.9278, 0.3394,  
0.4038

■ 91.9278, 0.3394,  
0.4038

■ 89.5852, 0.3481,  
0.4320

■ 94.5384, 0.3301,  
0.3761

■ 87.4886, 0.3556,  
0.4597

■ 97.4169, 0.3205,  
0.3496

■ 85.6292, 0.3614,  
0.4857

100.0000, 0.3127,  
0.3290

■ 83.9932, 0.3652,  
0.5087

■ 82.5654, 0.3664,  
0.5276

■ 81.3275, 0.3651,  
0.5415

■ 80.2551, 0.3615,  
0.5504

■ 80.0777, 0.3608,  
0.5517

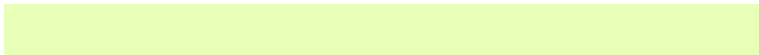
# Harmonies

## Analogous

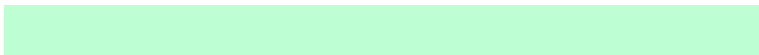
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9278, 0.3752, 0.3970



91.9278, 0.3394, 0.4038



91.9278, 0.2980, 0.3867

# Triad

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



91.9278, 0.3394, 0.4038



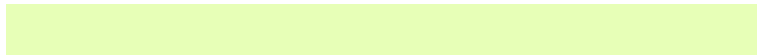
91.9278, 0.2367, 0.2786



91.9278, 0.3641, 0.3067

# Complementary

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



91.9278, 0.3394, 0.4038



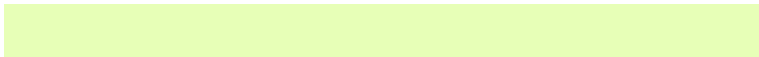
54.3410, 0.2798, 0.2505

# 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.



91.9278, 0.3236, 0.2798



91.9278, 0.3394, 0.4038



91.9278, 0.2515, 0.2630

# Square

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



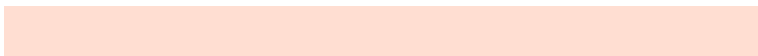
91.9278, 0.3394, 0.4038



91.9278, 0.2403, 0.3100



91.9278, 0.2824, 0.2640

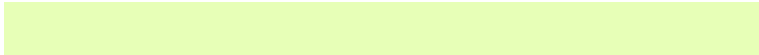


91.9278, 0.3908, 0.3398

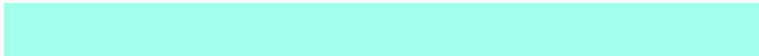


# Rectangle

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



91.9278, 0.3394, 0.4038



91.9278, 0.2728, 0.3639



91.9278, 0.2824, 0.2640



91.9278, 0.3515, 0.2968

# Sweetspot

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



91.9314, 0.3394, 0.4038



97.4896, 0.3203, 0.3490



68.7201, 0.3686, 0.3528



20.7701, 0.3217, 0.3528



0.0000, 0.0000, 0.0000

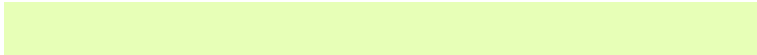


21.4041, 0.3127, 0.3290

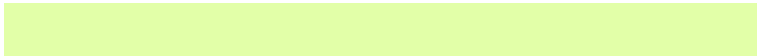


# Same Dimension

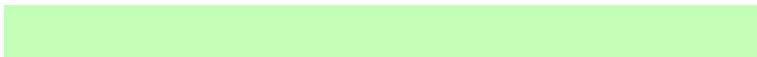
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9314, 0.3394, 0.4038



90.5490, 0.3445, 0.4200



86.6994, 0.3169, 0.4093



20.7701, 0.3217, 0.3528



41.9273, 0.3617, 0.5510



4.1421, 0.3684, 0.5457



# Inverse Universe

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



54.3410, 0.2798, 0.2505



47.2287, 0.2715, 0.2324



59.9226, 0.3059, 0.2562



17.6715, 0.3031, 0.3048



4.8516, 0.1742, 0.0734

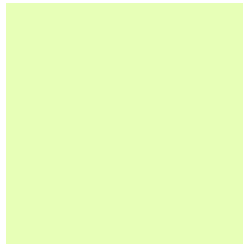


0.5292, 0.1864, 0.0800



# Previews

## White Background



This preview shows how the Yxy color 91.9278, 0.3394, 0.4038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

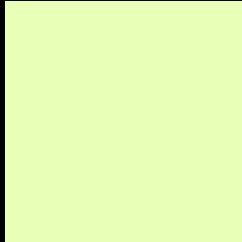
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.9278, 0.3394, 0.4038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

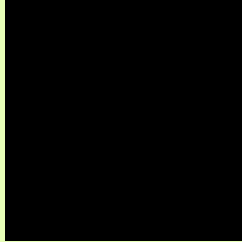
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

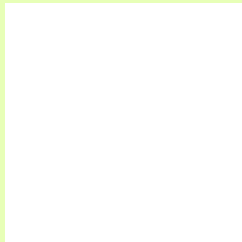
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.9278, 0.3394, 0.4038**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9278, 0.3394, 0.4038.

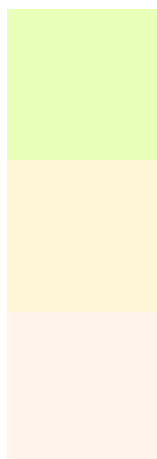


This preview shows how white text looks on a background with the Yxy color 91.9278, 0.3394, 0.4038.

# 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

91.9278, 0.3394, 0.4038

### Protanopia

91.4711, 0.3378, 0.3587

### Deuteranopia

91.3593, 0.3255, 0.3368

## **Tritanopia**

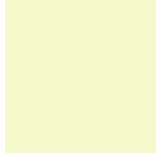
91.7579, 0.3062, 0.3192

# Trichromacy



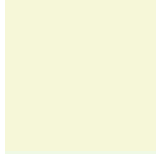
## Original Color

91.9278, 0.3394, 0.4038



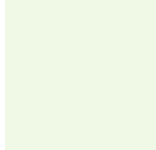
## Protanomaly

91.6560, 0.3386, 0.3754



## Deuteranomaly

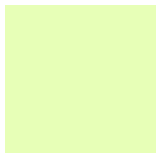
91.0722, 0.3308, 0.3602



## Tritanomaly

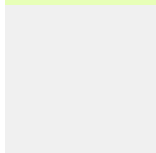
91.7592, 0.3182, 0.3492

# Monochromacy



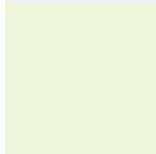
## Original Color

91.9278, 0.3394, 0.4038



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.4238, 0.3232, 0.3556

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.9278, 0.3394, 0.4038 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(231, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 183)  
}
```

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(231, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9278, 0.3394, 0.4038 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(231, 255, 183) }
```

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

```
.border{ border-color:rgb(231, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9278, 0.3394, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 183) }
```

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

```
.background{ background-color: rgb(231,  
255, 183) }
```

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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