

# Converting Colors

$Y_{xy}(103.0149, 0.3453, 0.4390)$

Have a look what the booklet for  
Yxy(103.0149, 0.3453, 0.4390)  
contains.

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# Color

**Yxy(91.0233, 0.3495, 0.4237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FFA4
RGB	230, 255, 164
RGB Percent	90%, 100%, 64%
CMY	0.0982, 0.0000, 0.3569
CMYK	0.10, 0.00, 0.36, 0.00
HSL	77°, 100%, 82%
HSV	77°, 36%, 100%
XYZ	75.0829, 91.0233, 48.7234
YIQ	237.1510, 14.3110, -33.6010

# Conversions

## Conversions Part 2

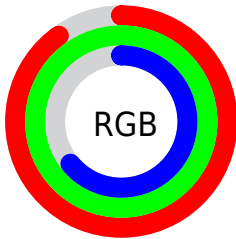
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 255, 189
Decimal	15138724
CIELab	96.42, -22.36, 40.85
CIELCh	96, 46.570, 118.693
Yxy	91.0233, 0.3495, 0.4237
Android (android.graphics.Color)	4293328804 (0xFFE6FFA4)
YUV	237.1510, -36.0634, -6.2714
Hunter-Lab	95.4061, -26.4844, 36.5052

# Details

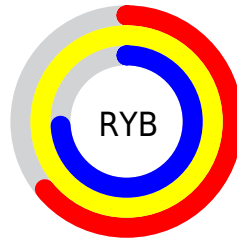
The Yxy color **91.0233, 0.3495, 0.4237** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.5852, 0.2651, 0.2259**, and the grayscale version is **85.0733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **50.4201, 0.3555, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **89.0483, 0.3584, 0.4508**, and if you desaturate by 10%, it is **93.2154, 0.3396, 0.3961**.

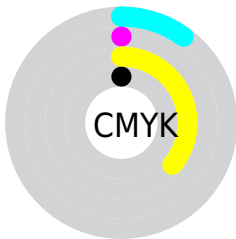
# Distribution



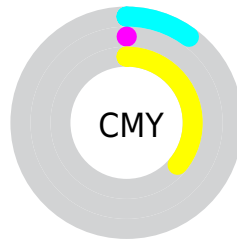
- Red (90%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (74%)



- Cyan (10%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.0233, 0.3495, 0.4237 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 91.0233, 0.3495, 0.4237 by changing the saturation by 10% instead.




 91.0233, 0.3495,  
0.4237


 91.0233, 0.3495,  
0.4237


531.3540, 0.3345,  
0.3804

 68.8297, 0.3524,  
0.4333


 148.7590, 0.3447,  
0.4089

 50.5730, 0.3557,  
0.4450


 185.0698, 0.3427,  
0.4030

 35.8689, 0.3594,  
0.4596


226.8552, 0.3410,  
0.3980

 24.3330, 0.3635,  
0.4780

274.4996, 0.3394,  
0.3936

 15.5808, 0.3677,  
0.5018

328.3872, 0.3380,  
0.3897

 9.2280, 0.3709,  
0.5335

388.9026, 0.3367,

 4.8902, 0.3759,

0.3863

0.5848

456.4300, 0.3355,  
0.3832

■ 2.1830, 0.3603,  
0.6397

■ 0.7107, 0.1543,  
0.8457

■ 91.0233, 0.3495,  
0.4237

■ 91.0233, 0.3495,  
0.4237

■ 89.0483, 0.3584,  
0.4508

■ 93.2154, 0.3396,  
0.3961

■ 87.3002, 0.3658,  
0.4763

■ 95.6567, 0.3292,  
0.3690

■ 85.7591, 0.3711,  
0.4991

■ 98.3502, 0.3186,  
0.3431

■ 84.4103, 0.3740,  
0.5178

100.0000, 0.3127,  
0.3290

■ 83.2373, 0.3742,  
0.5319

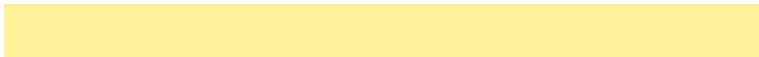
■ 82.2191, 0.3720,  
0.5411

■ 81.8157, 0.3706,  
0.5440

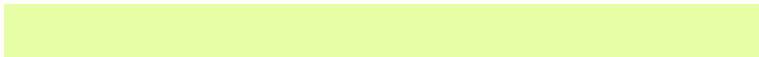
# Harmonies

## Analogous

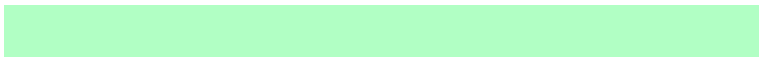
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0233, 0.3930, 0.4108



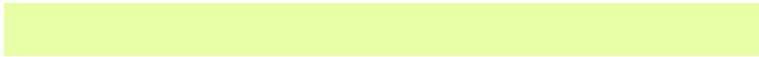
91.0233, 0.3495, 0.4237



91.0233, 0.2982, 0.4057

# Triad

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



91.0233, 0.3495, 0.4237



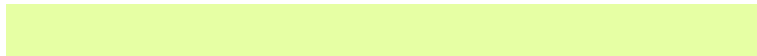
91.0233, 0.2190, 0.2687



91.0233, 0.3727, 0.2978

# Complementary

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



91.0233, 0.3495, 0.4237



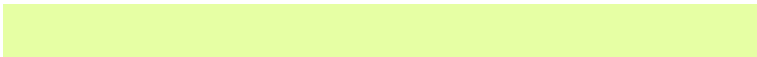
44.5852, 0.2651, 0.2259

# 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.



91.0233, 0.3208, 0.2664



91.0233, 0.3495, 0.4237



91.0233, 0.2348, 0.2487

# Square

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



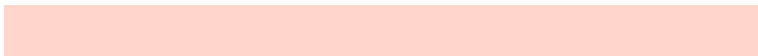
91.0233, 0.3495, 0.4237



91.0233, 0.2252, 0.3086



91.0233, 0.2706, 0.2487

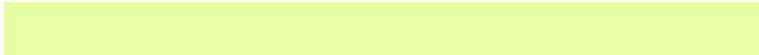


91.0233, 0.4086, 0.3372

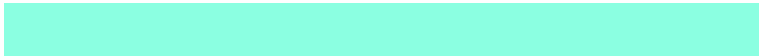


# Rectangle

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



91.0233, 0.3495, 0.4237



91.0233, 0.2667, 0.3776



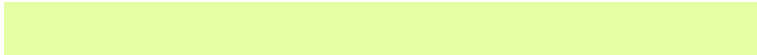
91.0233, 0.2706, 0.2487



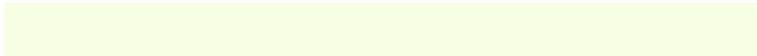
91.0233, 0.3563, 0.2861

# Sweetspot

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



91.0161, 0.3495, 0.4237



96.8890, 0.3242, 0.3567



60.0140, 0.3899, 0.3547



20.6608, 0.3256, 0.3602



0.0000, 0.0000, 0.0000

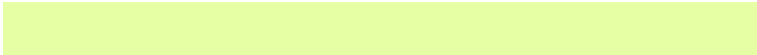


21.4041, 0.3127, 0.3290



# Same Dimension

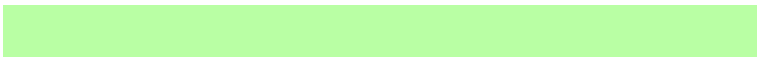
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0161, 0.3495, 0.4237



89.5563, 0.3561, 0.4436



84.5411, 0.3203, 0.4331



20.8248, 0.3226, 0.3528



42.8286, 0.3714, 0.5433



4.2244, 0.3770, 0.5389



# Inverse Universe

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



44.5852, 0.2651, 0.2259



36.7515, 0.2528, 0.2019



51.2161, 0.2997, 0.2355



17.6195, 0.3022, 0.3047



4.5190, 0.1670, 0.0694

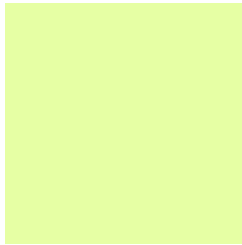


0.4915, 0.1784, 0.0756



# Previews

## White Background



This preview shows how the Yxy color 91.0233, 0.3495, 0.4237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

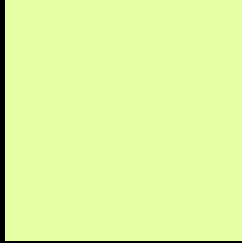
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.0233, 0.3495, 0.4237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

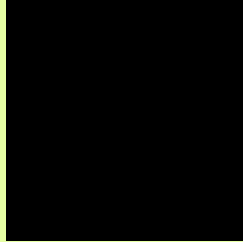
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

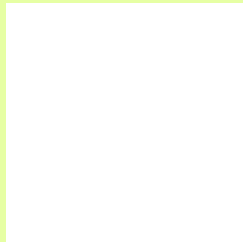
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.0233, 0.3495, 0.4237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.0233, 0.3495, 0.4237.

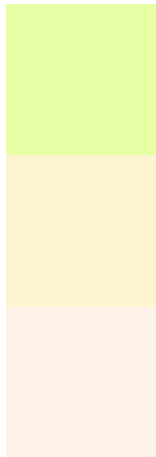


This preview shows how white text looks on a background with the Yxy color 91.0233, 0.3495, 0.4237.

# 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

91.0233, 0.3495, 0.4237

### Protanopia

90.5154, 0.3424, 0.3647

### Deuteranopia

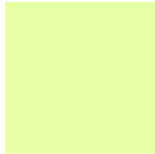
90.5338, 0.3281, 0.3398



## Tritanopia

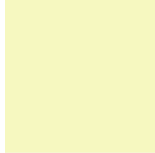
91.1545, 0.3062, 0.3182

# Trichromacy



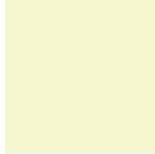
## Original Color

91.0233, 0.3495, 0.4237



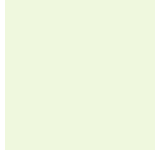
## Protanomaly

90.5334, 0.3455, 0.3858



## Deuteranomaly

90.6194, 0.3364, 0.3694



## Tritanomaly

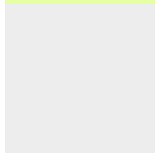
90.7595, 0.3224, 0.3554

# Monochromacy



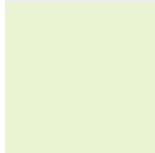
## Original Color

91.0233, 0.3495, 0.4237



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.8469, 0.3268, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.0233, 0.3495, 0.4237 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(230, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 164)  
}
```

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(230, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 91.0233, 0.3495, 0.4237 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(230, 255, 164) }
```

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

```
.border{ border-color:rgb(230, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.0233, 0.3495, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 164) }
```

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

```
.background{ background-color: rgb(230,  
255, 164) }
```

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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