

# Converting Colors

$Yxy(91.8490, 0.3228, 0.3819)$

Have a look what the booklet for  
Yxy(91.8490, 0.3228, 0.3819)  
contains.

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# Color

**Yxy(91.8872, 0.3233, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFCC
RGB	225, 255, 204
RGB Percent	88%, 100%, 80%
CMY	0.1177, 0.0000, 0.2000
CMYK	0.12, 0.00, 0.20, 0.00
HSL	95°, 100%, 90%
HSV	95°, 20%, 100%
XYZ	77.7063, 91.8872, 70.7601
YIQ	240.2160, -1.5090, -22.2210

# Conversions

## Conversions Part 2

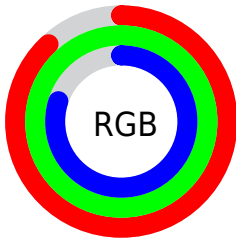
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 234
Decimal	14811084
CIE <sub>Lab</sub>	96.77, -18.57, 21.20
CIE <sub>LCh</sub>	97, 28.182, 131.208
Yxy	91.8872, 0.3233, 0.3823
Android (android.graphics.Color)	4293001164 (0xFFE1FFCC)
YUV	240.2160, -17.8545, -13.3444
Hunter-Lab	95.8578, -23.0516, 23.3339

# Details

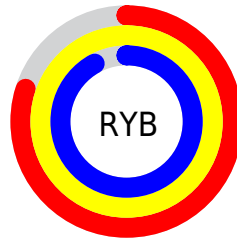
The Yxy color **91.8872, 0.3233, 0.3823** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8943, 0.2999, 0.2768**, and the grayscale version is **87.4543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0252, 0.3246, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **88.4535, 0.3281, 0.4122**, and if you desaturate by 10%, it is **95.7284, 0.3181, 0.3545**.

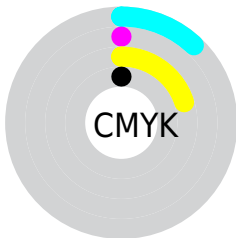
# Distribution



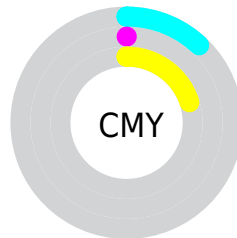
- Red (88%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.8872, 0.3233, 0.3823 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 91.8872, 0.3233, 0.3823 by changing the saturation by 10% instead.




 91.8872, 0.3233,  
0.3823

 91.8872, 0.3233,  
0.3823


534.1509, 0.3190,  
0.3579

 69.5469, 0.3241,  
0.3878


149.9570, 0.3219,  
0.3739

 51.1573, 0.3251,  
0.3945


186.4554, 0.3214,  
0.3706

 36.3338, 0.3263,  
0.4029


228.4420, 0.3208,  
0.3678

 24.6921, 0.3276,  
0.4138

276.3011, 0.3204,  
0.3653

 15.8478, 0.3290,  
0.4284

330.4171, 0.3200,  
0.3632

 9.4165, 0.3305,  
0.4489

391.1745, 0.3196,

 5.0138, 0.3315,

0.3612

0.4796

458.9576, 0.3193,  
0.3595

■ 2.2554, 0.3345,  
0.5370

■ 0.7499, 0.2571,  
0.7429

■ 91.8872, 0.3233,  
0.3823

■ 91.8872, 0.3233,  
0.3823

■ 88.4535, 0.3281,  
0.4122

■ 95.7284, 0.3181,  
0.3545

■ 85.4192, 0.3322,  
0.4433

99.9984, 0.3127,  
0.3290

■ 82.7658, 0.3352,  
0.4747

100.0000, 0.3127,  
0.3290

■ 80.4757, 0.3367,  
0.5048

■ 78.5300, 0.3363,  
0.5319

■ 76.9072, 0.3339,  
0.5542

■ 75.5829, 0.3297,  
0.5704

■ 74.5212, 0.3241,  
0.5809

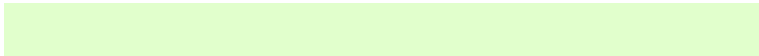
# Harmonies

## Analogous

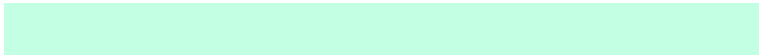
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8872, 0.3525, 0.3837



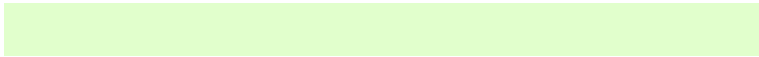
91.8872, 0.3233, 0.3823



91.8872, 0.2922, 0.3642

# Triad

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



91.8872, 0.3233, 0.3823



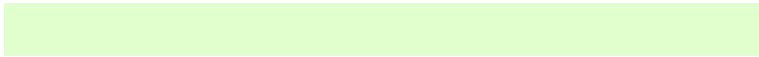
91.8872, 0.2567, 0.2858



91.8872, 0.3595, 0.3204

# Complementary

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



91.8872, 0.3233, 0.3823



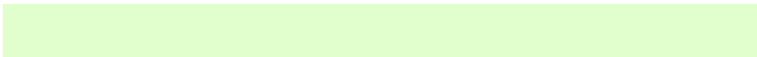
67.8943, 0.2999, 0.2768

# Split Complementary

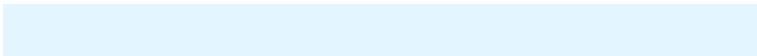
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.8872, 0.3316, 0.2972



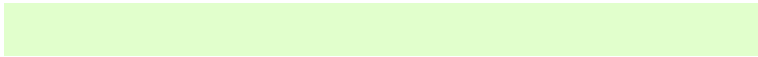
91.8872, 0.3233, 0.3823



91.8872, 0.2726, 0.2774

# Square

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



91.8872, 0.3233, 0.3823



91.8872, 0.2548, 0.3065



91.8872, 0.2997, 0.2818

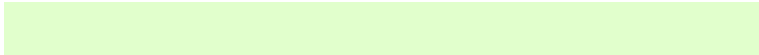


91.8872, 0.3743, 0.3465

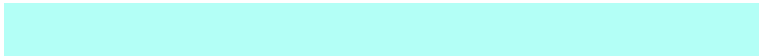


# Rectangle

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



91.8872, 0.3233, 0.3823



91.8872, 0.2746, 0.3456



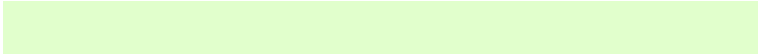
91.8872, 0.2997, 0.2818



91.8872, 0.3512, 0.3121

# Sweetspot

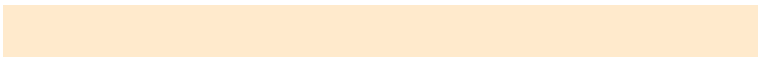
The Sweet Spot groups the original color and five complimentary colors.



91.8848, 0.3233, 0.3823



97.3859, 0.3159, 0.3440



84.3204, 0.3469, 0.3589



20.7857, 0.3163, 0.3457



0.0000, 0.0000, 0.0000

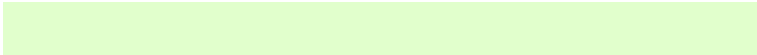


21.4041, 0.3127, 0.3290

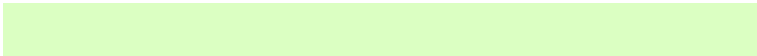


# Same Dimension

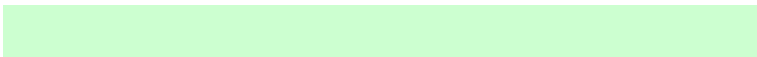
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8848, 0.3233, 0.3823



90.4649, 0.3253, 0.3940



88.9221, 0.3078, 0.3797



20.5332, 0.3178, 0.3531



39.0212, 0.3253, 0.5799



3.8615, 0.3341, 0.5729



# Inverse Universe

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



67.8943, 0.2999, 0.2768



62.5058, 0.2969, 0.2656



71.3906, 0.3180, 0.2831



17.9059, 0.3072, 0.3051



7.2519, 0.2204, 0.0988

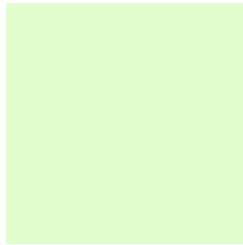


0.7701, 0.2315, 0.1049



# Previews

## White Background



This preview shows how the Yxy color 91.8872, 0.3233, 0.3823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

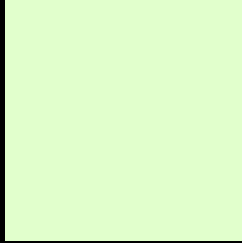
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.8872, 0.3233, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

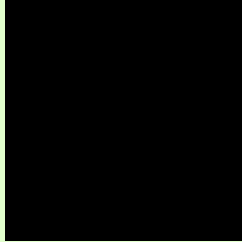
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

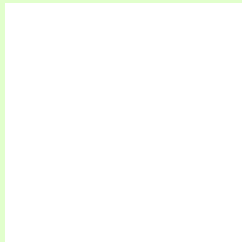
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.8872, 0.3233, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.8872, 0.3233, 0.3823.

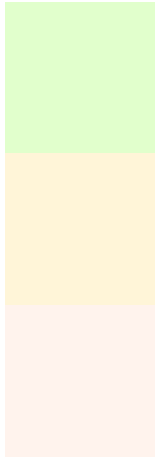


This preview shows how white text looks on a background with the Yxy color 91.8872, 0.3233, 0.3823.

# 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

91.8872, 0.3233, 0.3823

### Protanopia

91.5227, 0.3372, 0.3577

### Deuteranopia

91.4756, 0.3243, 0.3349



## Tritanopia

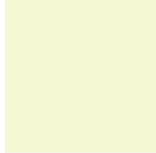
91.8323, 0.3043, 0.3201

# Trichromacy



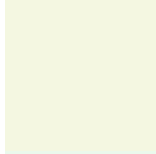
## Original Color

91.8872, 0.3233, 0.3823



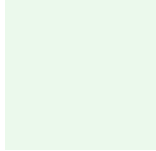
## Protanomaly

91.7379, 0.3317, 0.3663



## Deuteranomaly

91.1909, 0.3240, 0.3511



## Tritanomaly

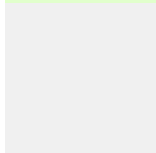
91.4697, 0.3115, 0.3421

# Monochromacy



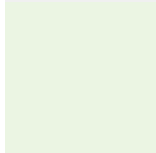
## Original Color

91.8872, 0.3233, 0.3823



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.5130, 0.3170, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.8872, 0.3233, 0.3823 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(225, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 204)  
}
```

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(225, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 91.8872, 0.3233, 0.3823 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(225, 255, 204) }
```

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

```
.border{ border-color:rgb(225, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.8872, 0.3233, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 204) }
```

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

```
.background{ background-color: rgb(225,  
255, 204) }
```

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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