

# Converting Colors

$Y_{xy}(100.0000, 0.3211, 0.3916)$

Have a look what the booklet for  
Yxy(100.0000, 0.3211, 0.3916)  
contains.

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# Color

**Yxy(91.9838, 0.3221, 0.3801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFCE
RGB	225, 255, 206
RGB Percent	88%, 100%, 81%
CMY	0.1178, 0.0000, 0.1920
CMYK	0.12, 0.00, 0.19, 0.00
HSL	97°, 100%, 90%
HSV	97°, 19%, 100%
XYZ	77.9479, 91.9838, 72.0673
YIQ	240.4440, -2.1510, -21.5990

# Conversions

## Conversions Part 2

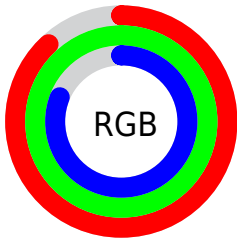
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 255, 236
Decimal	14811086
CIE <sub>Lab</sub>	96.81, -18.25, 20.21
CIE <sub>LCh</sub>	97, 27.232, 132.087
Yxy	91.9838, 0.3221, 0.3801
Android (android.graphics.Color)	4293001166 (0xFFE1FFCE)
YUV	240.4440, -16.9809, -13.5444
Hunter-Lab	95.9082, -22.7663, 22.5841

# Details

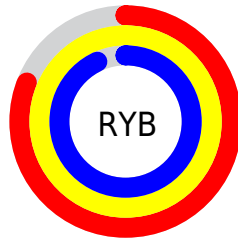
The Yxy color **91.9838, 0.3221, 0.3801** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2320, 0.3014, 0.2791**, and the grayscale version is **87.6353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0902, 0.3232, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **88.4395, 0.3265, 0.4100**, and if you desaturate by 10%, it is **95.9527, 0.3173, 0.3523**.

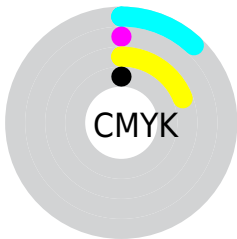
# Distribution



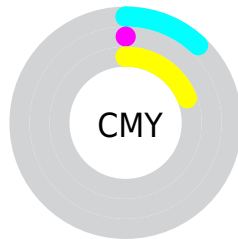
- Red (88%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.9838, 0.3221, 0.3801 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 91.9838, 0.3221, 0.3801 by changing the saturation by 10% instead.




 91.9838, 0.3221,  
0.3801

 91.9838, 0.3221,  
0.3801


534.4632, 0.3183,  
0.3568

 69.6272, 0.3228,  
0.3853

150.0909, 0.3209,  
0.3721

 51.2226, 0.3237,  
0.3918

186.6102, 0.3204,  
0.3689

 36.3858, 0.3247,  
0.3999

228.6192, 0.3199,  
0.3662

 24.7323, 0.3258,  
0.4103

276.5023, 0.3195,  
0.3638

 15.8777, 0.3271,  
0.4243

330.6438, 0.3192,  
0.3618

 9.4377, 0.3284,  
0.4439

391.4282, 0.3189,

 5.0278, 0.3292,

0.3599

0.4734

459.2399, 0.3186,  
0.3583

■ 2.2636, 0.3307,  
0.5266

■ 0.7543, 0.2646,  
0.7354

■ 91.9838, 0.3221,  
0.3801

■ 91.9838, 0.3221,  
0.3801

■ 88.4395, 0.3265,  
0.4100

■ 95.9527, 0.3173,  
0.3523

■ 85.3143, 0.3303,  
0.4414

100.0000, 0.3127,  
0.3290

■ 82.5879, 0.3330,  
0.4731

■ 80.2420, 0.3343,  
0.5038

■ 78.2567, 0.3338,  
0.5316

■ 76.6101, 0.3314,  
0.5546

■ 75.2769, 0.3272,  
0.5716

■ 74.2225, 0.3217,  
0.5824

■ 74.1471, 0.3213,  
0.5831

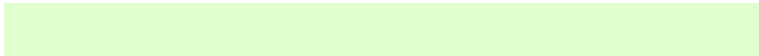
# Harmonies

## Analogous

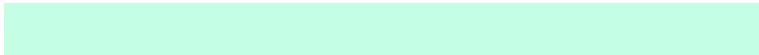
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9838, 0.3505, 0.3820



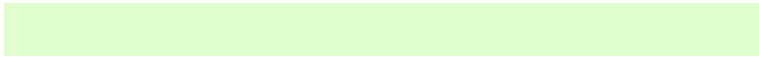
91.9838, 0.3221, 0.3801



91.9838, 0.2921, 0.3622

# Triad

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



91.9838, 0.3221, 0.3801



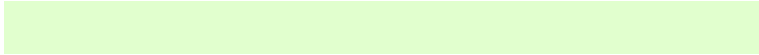
91.9838, 0.2588, 0.2868



91.9838, 0.3585, 0.3214

# Complementary

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



91.9838, 0.3221, 0.3801



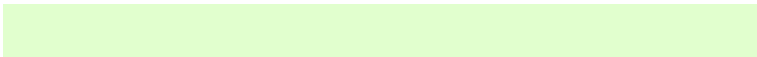
69.2320, 0.3014, 0.2791

# Split Complementary

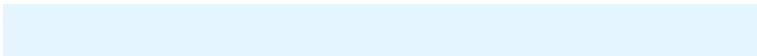
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9838, 0.3319, 0.2988



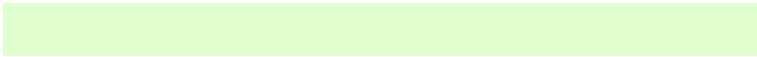
91.9838, 0.3221, 0.3801



91.9838, 0.2746, 0.2790

# Square

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



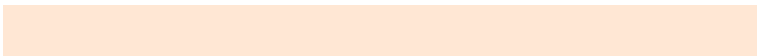
91.9838, 0.3221, 0.3801



91.9838, 0.2565, 0.3066



91.9838, 0.3010, 0.2836

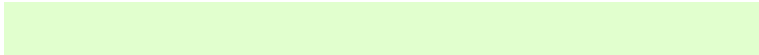


91.9838, 0.3724, 0.3467

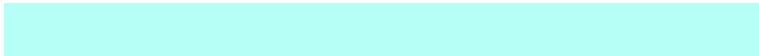


# Rectangle

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



91.9838, 0.3221, 0.3801



91.9838, 0.2752, 0.3442



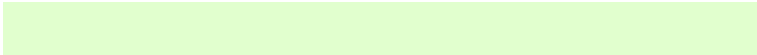
91.9838, 0.3010, 0.2836



91.9838, 0.3507, 0.3133

# Sweetspot

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



91.9804, 0.3221, 0.3801



97.3163, 0.3157, 0.3440



85.3752, 0.3452, 0.3585



20.7693, 0.3160, 0.3457



0.0000, 0.0000, 0.0000

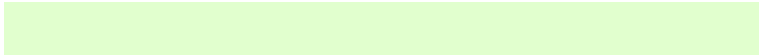


21.4041, 0.3127, 0.3290

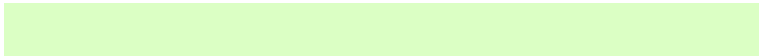


# Same Dimension

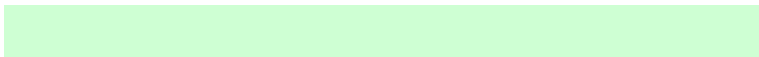
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9804, 0.3221, 0.3801



90.5839, 0.3239, 0.3912



89.3487, 0.3075, 0.3765



20.5103, 0.3174, 0.3532



38.8230, 0.3224, 0.5822



3.8407, 0.3312, 0.5752



# Inverse Universe

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



69.2320, 0.3014, 0.2791



64.0698, 0.2987, 0.2686



72.3338, 0.3183, 0.2857



17.9294, 0.3076, 0.3051



7.5782, 0.2260, 0.1019

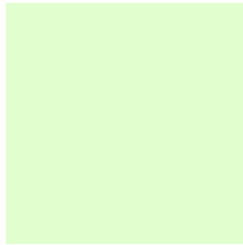


0.8009, 0.2366, 0.1077



# Previews

## White Background



This preview shows how the Yxy color 91.9838, 0.3221, 0.3801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

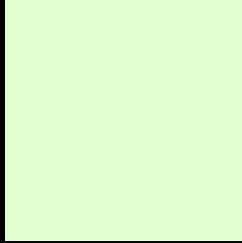
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.9838, 0.3221, 0.3801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

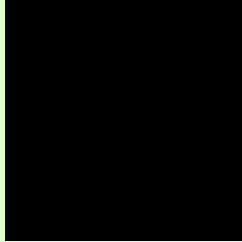
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

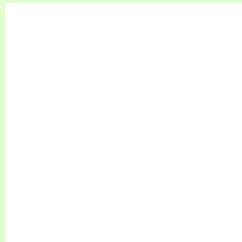
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.9838, 0.3221, 0.3801**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9838, 0.3221, 0.3801.

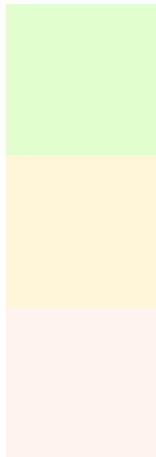


This preview shows how white text looks on a background with the Yxy color 91.9838, 0.3221, 0.3801.

# 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

91.9838, 0.3221, 0.3801

### Protanopia

91.5746, 0.3366, 0.3567

### Deuteranopia

91.4756, 0.3243, 0.3349

## **Tritanopia**

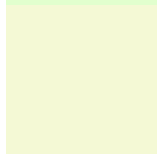
91.8323, 0.3043, 0.3201

# Trichromacy



## Original Color

91.9838, 0.3221, 0.3801



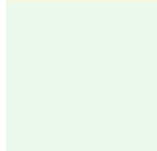
## Protanomaly

91.7886, 0.3311, 0.3653



## Deuteranomaly

91.2456, 0.3234, 0.3501



## Tritanomaly

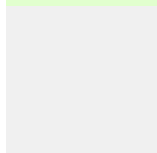
91.5280, 0.3109, 0.3411

# Monochromacy



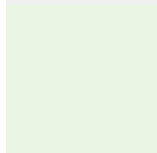
## Original Color

91.9838, 0.3221, 0.3801



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.5684, 0.3164, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.9838, 0.3221, 0.3801 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9838, 0.3221, 0.3801 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, 206) }
```

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

```
.border{ border-color:rgb(225, 255, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9838, 0.3221, 0.3801 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, 206) }
```

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

```
.background{ background-color: rgb(225,  
255, 206) }
```

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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