

# Converting Colors

$Yxy(91.5880, 0.3413, 0.4086)$

Have a look what the booklet for  
Yxy(91.5880, 0.3413, 0.4086)  
contains.

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# Color

**Yxy(91.5977, 0.3410, 0.4081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FFB3
RGB	230, 255, 179
RGB Percent	90%, 100%, 70%
CMY	0.0980, 0.0000, 0.2979
CMYK	0.10, 0.00, 0.30, 0.00
HSL	80°, 100%, 85%
HSV	80°, 30%, 100%
XYZ	76.5372, 91.5977, 56.3143
YIQ	238.8610, 9.4960, -28.9360

# Conversions

## Conversions Part 2

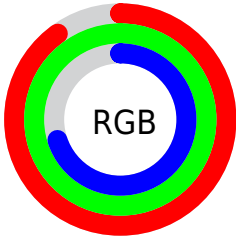
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 255, 204
Decimal	15138739
CIELab	96.66, -20.41, 33.69
CIELCh	97, 39.394, 121.207
Yxy	91.5977, 0.3410, 0.4081
Android (android.graphics.Color)	4293328819 (0xFFE6FFB3)
YUV	238.8610, -29.5115, -7.7711
Hunter-Lab	95.7067, -24.7393, 32.1081

# Details

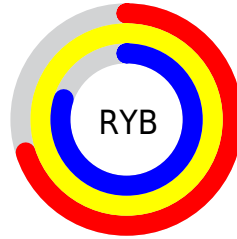
The Yxy color **91.5977, 0.3410, 0.4081** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.3169, 0.2774, 0.2456**, and the grayscale version is **86.4381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **50.8932, 0.3460, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **89.3088, 0.3496, 0.4363**, and if you desaturate by 10%, it is **94.1523, 0.3317, 0.3803**.

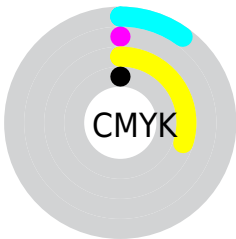
# Distribution



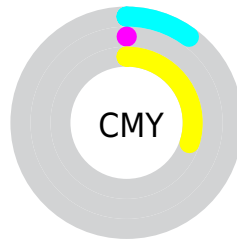
- Red (90%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.5977, 0.3410, 0.4081 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 91.5977, 0.3410, 0.4081 by changing the saturation by 10% instead.





 91.5977, 0.3410,  
0.4081

 91.5977, 0.3410,  
0.4081

533.2145, 0.3293,  
0.3719

 69.3065, 0.3433,  
0.4162


 149.5557, 0.3372,  
0.3957

 50.9614, 0.3460,  
0.4261


185.9913, 0.3357,  
0.3908

 36.1779, 0.3491,  
0.4384


227.9105, 0.3343,  
0.3866

 24.5716, 0.3526,  
0.4542

275.6977, 0.3331,  
0.3829

 15.7582, 0.3566,  
0.4749

329.7374, 0.3320,  
0.3797

 9.3532, 0.3605,  
0.5032

390.4138, 0.3310,

 4.9723, 0.3629,

0.3768

0.5434

458.1113, 0.3301,  
0.3742

■ 2.2310, 0.3727,  
0.6273

■ 0.7368, 0.2152,  
0.7848

■ 91.5977, 0.3410,  
0.4081

■ 91.5977, 0.3410,  
0.4081

■ 89.3088, 0.3496,  
0.4363

■ 94.1523, 0.3317,  
0.3803

■ 87.2619, 0.3570,  
0.4637

■ 96.9710, 0.3221,  
0.3536

■ 85.4486, 0.3626,  
0.4893

99.9994, 0.3127,  
0.3290

■ 83.8551, 0.3660,  
0.5116

■ 82.4656, 0.3669,  
0.5297

■ 81.2616, 0.3653,  
0.5427

■ 80.2139, 0.3615,  
0.5511

■ 80.1926, 0.3614,  
0.5512

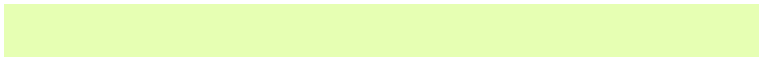
# Harmonies

## Analogous

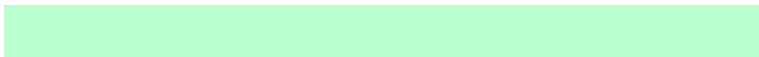
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5977, 0.3787, 0.4004



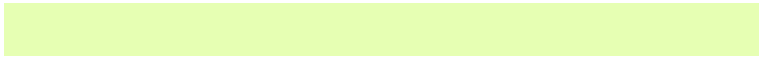
91.5977, 0.3410, 0.4081



91.5977, 0.2974, 0.3904

# Triad

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



91.5977, 0.3410, 0.4081



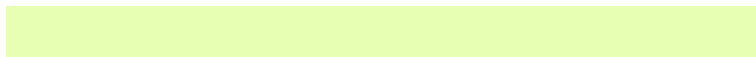
91.5977, 0.2328, 0.2761



91.5977, 0.3666, 0.3053

# Complementary

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



91.5977, 0.3410, 0.4081



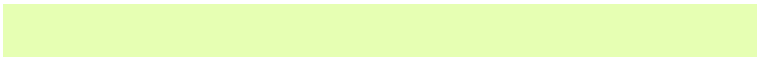
52.3169, 0.2774, 0.2456

# Split Complementary

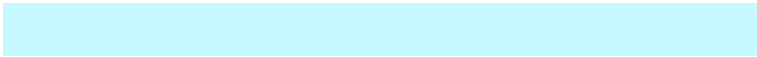
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.5977, 0.3237, 0.2772



91.5977, 0.3410, 0.4081



91.5977, 0.2481, 0.2597

# Square

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



91.5977, 0.3410, 0.4081



91.5977, 0.2368, 0.3091



91.5977, 0.2804, 0.2608

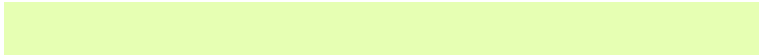


91.5977, 0.3950, 0.3398

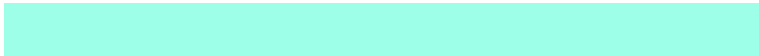


# Rectangle

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



91.5977, 0.3410, 0.4081



91.5977, 0.2709, 0.3663



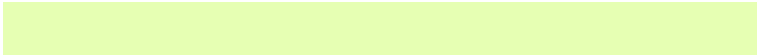
91.5977, 0.2804, 0.2608



91.5977, 0.3532, 0.2949

# Sweetspot

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



91.6017, 0.3410, 0.4081



97.2055, 0.3213, 0.3515



67.2725, 0.3725, 0.3541



20.7139, 0.3227, 0.3553



0.0000, 0.0000, 0.0000

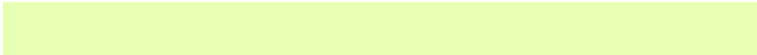


21.4041, 0.3127, 0.3290

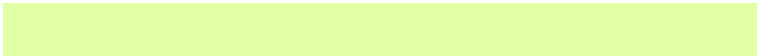


# Same Dimension

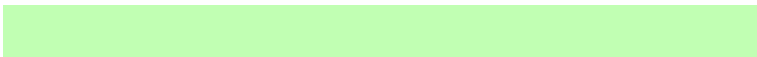
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6017, 0.3410, 0.4081



90.1484, 0.3465, 0.4256



86.1088, 0.3170, 0.4144



20.7739, 0.3218, 0.3528



41.9873, 0.3624, 0.5505



4.1476, 0.3690, 0.5452



# Inverse Universe

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



52.3169, 0.2774, 0.2456



44.8743, 0.2682, 0.2259



58.1901, 0.3054, 0.2521



17.6678, 0.3030, 0.3048



4.8260, 0.1737, 0.0731



0.5264, 0.1858, 0.0797



# Previews

## White Background



This preview shows how the Yxy color 91.5977, 0.3410, 0.4081 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 91.5977, 0.3410, 0.4081 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

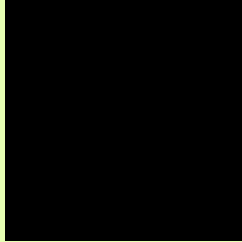
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

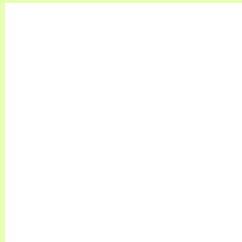
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.5977, 0.3410, 0.4081**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.5977, 0.3410, 0.4081.

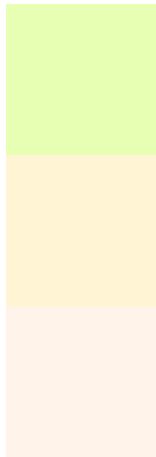


This preview shows how white text looks on a background with the Yxy color 91.5977, 0.3410, 0.4081.

# 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

91.5977, 0.3410, 0.4081

### Protanopia

91.3183, 0.3397, 0.3617

### Deuteranopia

91.3017, 0.3261, 0.3378



## Tritanopia

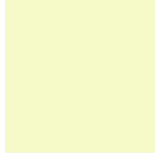
91.5795, 0.3055, 0.3192

# Trichromacy



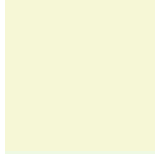
## Original Color

91.5977, 0.3410, 0.4081



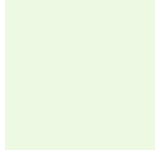
## Protanomaly

91.5143, 0.3404, 0.3785



## Deuteranomaly

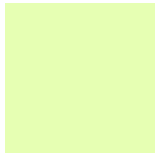
90.9694, 0.3321, 0.3622



## Tritanomaly

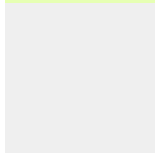
91.4746, 0.3187, 0.3512

# Monochromacy



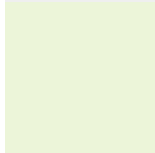
## Original Color

91.5977, 0.3410, 0.4081



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

88.1474, 0.3238, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.5977, 0.3410, 0.4081 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 91.5977, 0.3410, 0.4081 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, 179) }
```

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

```
.border{ border-color:rgb(230, 255, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.5977, 0.3410, 0.4081 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, 179) }
```

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

```
.background{ background-color: rgb(230,  
255, 179) }
```

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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