

# Converting Colors

$Yxy(91.3285, 0.3411, 0.4101)$

Have a look what the booklet for  
Yxy(91.3285, 0.3411, 0.4101)  
contains.

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# Color

**Yxy(91.3523, 0.3415, 0.4104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FFB1
RGB	229, 255, 177
RGB Percent	90%, 100%, 69%
CMY	0.1019, 0.0000, 0.3058
CMYK	0.10, 0.00, 0.31, 0.00
HSL	80°, 100%, 85%
HSV	80°, 31%, 100%
XYZ	76.0156, 91.3523, 55.2254
YIQ	238.3340, 9.5420, -29.7700

# Conversions

## Conversions Part 2

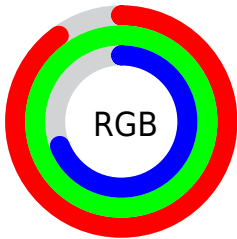
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 255, 203
Decimal	15073201
CIELab	96.55, -21.04, 34.56
CIELCh	97, 40.460, 121.327
Yxy	91.3523, 0.3415, 0.4104
Android (android.graphics.Color)	4293263281 (0xFFE5FFB1)
YUV	238.3340, -30.2377, -8.1859
Hunter-Lab	95.5784, -25.2972, 32.6470

# Details

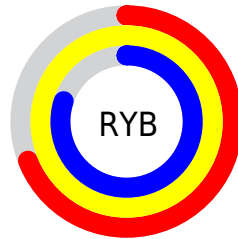
The Yxy color **91.3523, 0.3415, 0.4104** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.3624, 0.2765, 0.2432**, and the grayscale version is **86.0117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **50.7276, 0.3466, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **89.0693, 0.3499, 0.4386**, and if you desaturate by 10%, it is **93.9016, 0.3323, 0.3825**.

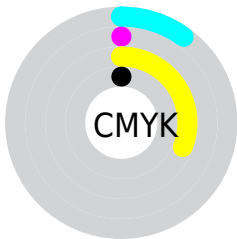
# Distribution



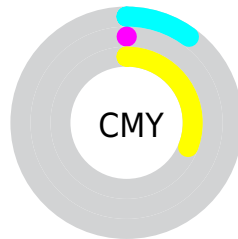
- Red (90%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3523, 0.3415, 0.4104 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 91.3523, 0.3415, 0.4104 by changing the saturation by 10% instead.




 91.3523, 0.3415,  
0.4104

 91.3523, 0.3415,  
0.4104


532.4201, 0.3296,  
0.3731

 69.1028, 0.3438,  
0.4187


 149.2154, 0.3377,  
0.3976

 50.7954, 0.3465,  
0.4289


185.5977, 0.3361,  
0.3926

 36.0458, 0.3496,  
0.4416


227.4598, 0.3347,  
0.3882

 24.4696, 0.3531,  
0.4579

275.1860, 0.3335,  
0.3845

 15.6823, 0.3570,  
0.4793

329.1608, 0.3324,  
0.3811

 9.2996, 0.3607,  
0.5083


389.7684, 0.3314,


 4.9371, 0.3627,


0.3782


0.5499

457.3934, 0.3305,  
0.3755


 2.2104, 0.3686,  
0.6314


 0.7257, 0.1954,  
0.8046


 91.3523, 0.3415,  
0.4104


 91.3523, 0.3415,  
0.4104


 89.0693, 0.3499,  
0.4386


 93.9016, 0.3323,  
0.3825


 87.0291, 0.3571,  
0.4660

 96.7160, 0.3228,  
0.3557

 85.2231, 0.3625,  
0.4915

 99.8095, 0.3133,  
0.3304

 83.6371, 0.3657,  
0.5136

 99.9993, 0.3127,  
0.3290

■ 82.2553, 0.3663,  
0.5313

■ 81.0588, 0.3644,  
0.5440

■ 80.0738, 0.3608,  
0.5518

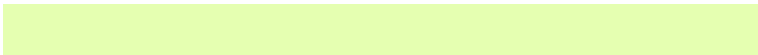
# Harmonies

## Analogous

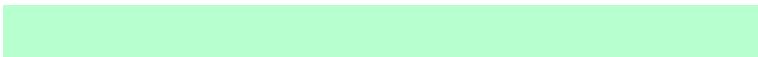
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3523, 0.3803, 0.4024



91.3523, 0.3415, 0.4104



91.3523, 0.2967, 0.3921

# Triad

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



91.3523, 0.3415, 0.4104



91.3523, 0.2308, 0.2745



91.3523, 0.3683, 0.3047

# Complementary

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



91.3523, 0.3415, 0.4104



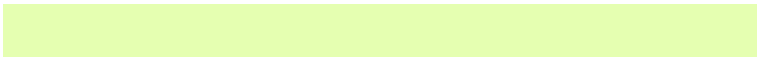
51.3624, 0.2765, 0.2432

# 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.



91.3523, 0.3241, 0.2759



91.3523, 0.3415, 0.4104



91.3523, 0.2466, 0.2579

# Square

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



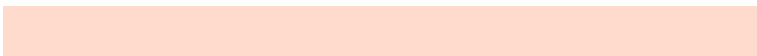
91.3523, 0.3415, 0.4104



91.3523, 0.2347, 0.3082



91.3523, 0.2797, 0.2591



91.3523, 0.3974, 0.3401



# Rectangle

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



91.3523, 0.3415, 0.4104



91.3523, 0.2696, 0.3672



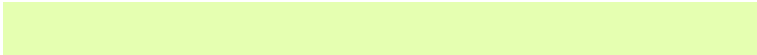
91.3523, 0.2797, 0.2591



91.3523, 0.3545, 0.2941

# Sweetspot

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



91.3563, 0.3415, 0.4104



97.1882, 0.3213, 0.3515



66.5381, 0.3745, 0.3549



20.7096, 0.3226, 0.3553



0.0000, 0.0000, 0.0000

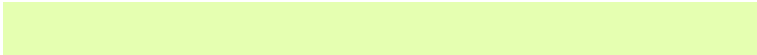


21.4041, 0.3127, 0.3290

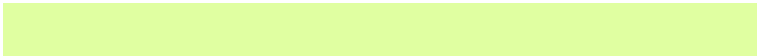


# Same Dimension

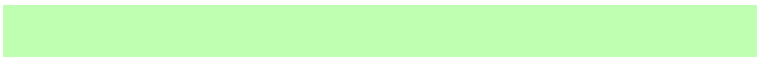
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3563, 0.3415, 0.4104



89.8609, 0.3470, 0.4285



85.8104, 0.3171, 0.4170



20.7700, 0.3217, 0.3528



41.9257, 0.3617, 0.5510



4.1419, 0.3683, 0.5457



# Inverse Universe

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



51.3624, 0.2765, 0.2432



43.8034, 0.2670, 0.2228



57.3165, 0.3051, 0.2500



17.6716, 0.3031, 0.3048



4.8523, 0.1743, 0.0734

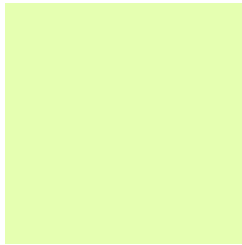


0.5293, 0.1864, 0.0800



# Previews

## White Background



This preview shows how the Yxy color 91.3523, 0.3415, 0.4104 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 91.3523, 0.3415, 0.4104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

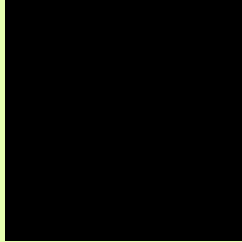
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.3523, 0.3415, 0.4104**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3523, 0.3415, 0.4104.

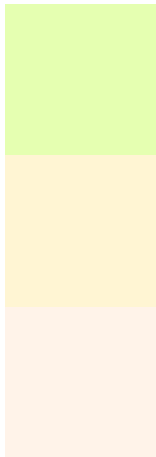


This preview shows how white text looks on a background with the Yxy color 91.3523, 0.3415, 0.4104.

# 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

91.3523, 0.3415, 0.4104

### Protanopia

91.2680, 0.3404, 0.3627

### Deuteranopia

91.2444, 0.3268, 0.3388



## Tritanopia

90.9761, 0.3056, 0.3182

# Trichromacy



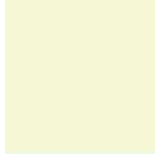
## Original Color

91.3523, 0.3415, 0.4104



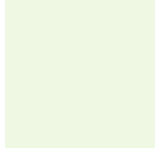
## Protanomaly

91.4677, 0.3410, 0.3795



## Deuteranomaly

90.9185, 0.3327, 0.3632



## Tritanomaly

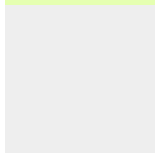
90.8580, 0.3188, 0.3503

# Monochromacy



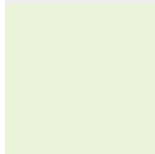
## Original Color

91.3523, 0.3415, 0.4104



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

87.3214, 0.3238, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3523, 0.3415, 0.4104 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(229, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 177)  
}
```

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(229, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3523, 0.3415, 0.4104 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(229, 255, 177) }
```

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

```
.border{ border-color:rgb(229, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3523, 0.3415, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 177) }
```

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

```
.background{ background-color: rgb(229,  
255, 177) }
```

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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