

# Converting Colors

$Yxy(77.5920, 0.3396, 0.4176)$

Have a look what the booklet for  
Yxy(77.5920, 0.3396, 0.4176)  
contains.

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# Color

**Yxy(77.5365, 0.3395, 0.4182)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | CFEFA0                     |
| RGB           | 207, 239, 160              |
| RGB Percent   | 81%, 94%, 63%              |
| CMY           | 0.1883, 0.0627, 0.3724     |
| CMYK          | 0.13, 0.00, 0.33, 0.06     |
| HSL           | 84°, 71%, 78%              |
| HSV           | 84°, 33%, 94%              |
| XYZ           | 62.9451, 77.5365, 44.9237  |
| YIQ           | 220.4260, 6.2870, -31.3530 |

# Conversions

## Conversions Part 2

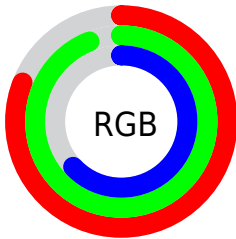
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 160, 239, 192                   |
| Decimal                             | 13627296                        |
| CIELab                              | 90.57, -23.52, 34.85            |
| CIELCh                              | 91, 42.042, 124.018             |
| Yxy                                 | 77.5365, 0.3395,<br>0.4182      |
| Android<br>(android.graphics.Color) | 4291817376<br>(0xFFCFEFA0)      |
| YUV                                 | 220.4260, -29.7900,<br>-11.7746 |
| Hunter-Lab                          | 88.0548, -26.4970,<br>31.3899   |

# Details

The Yxy color  $77.5365, 0.3395, 0.4182$  is a light color, and the websafe version is hex `CCFF99`. A complement of this color would be  $42.6012, 0.2776, 0.2370$ , and the grayscale version is  $72.0957, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.6863, 0.3364, 0.3681$ , and  $41.6251, 0.3441, 0.4395$  is the 20% darker color. If you saturate the color by 10%, you get  $75.4290, 0.3464, 0.4472$ , and if you desaturate by 10%, it is  $79.8973, 0.3317, 0.3896$ .

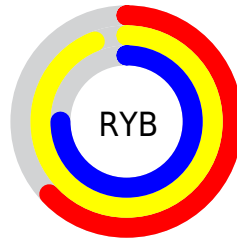
# Distribution



Red (81%)

Green (94%)

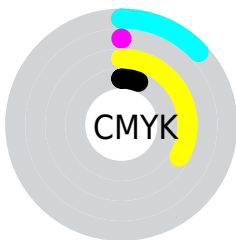
Blue (63%)



Red (63%)

Yellow (94%)

Blue (75%)

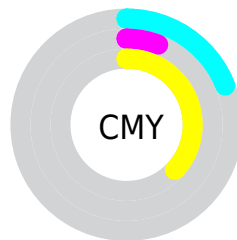


Cyan (13%)

Magenta (0%)

Yellow (33%)

Black (6%)



Cyan (19%)

Magenta (6%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5365, 0.3395, 0.4182 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 77.5365, 0.3395, 0.4182 by changing the saturation by 10% instead.





 77.5365, 0.3395,  
0.4182

 77.5365, 0.3395,  
0.4182


486.5913, 0.3284,  
0.3760

 57.6933, 0.3416,  
0.4280


 129.8965, 0.3359,  
0.4034

 41.5621, 0.3441,  
0.4401


 163.1822, 0.3345,  
0.3977

 28.7586, 0.3468,  
0.4555


201.7174, 0.3332,  
0.3928

 18.8983, 0.3497,  
0.4755

245.8866, 0.3320,  
0.3885

 11.5968, 0.3523,  
0.5025

296.0742, 0.3310,  
0.3848

 6.4698, 0.3532,  
0.5401

352.6646, 0.3300,


 3.1328, 0.3660,


0.3815


0.6254


416.0422, 0.3292,  
0.3786

 1.2014, 0.3092,  
0.6908


 0.0629, 0.0000,  
1.0000


 77.5365, 0.3395,  
0.4182


 77.5365, 0.3395,  
0.4182

 75.4290, 0.3464,  
0.4472


 79.8973, 0.3317,  
0.3896


 73.5538, 0.3519,  
0.4754

 82.5111, 0.3235,  
0.3621

 71.9025, 0.3556,  
0.5015

 85.3907, 0.3152,  
0.3364

 70.4621, 0.3570,  
0.5241

 88.5035, 0.3074,  
0.3133

■ 69.2177, 0.3560,  
0.5420

■ 90.2159, 0.3134,  
0.3136

■ 68.1517, 0.3527,  
0.5547

■ 67.4969, 0.3493,  
0.5608

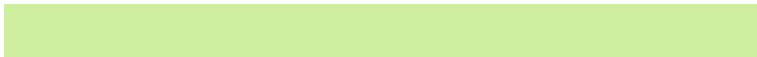
# Harmonies

## Analogous

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



77.5365, 0.3832, 0.4111



77.5365, 0.3395, 0.4182



77.5365, 0.2906, 0.3956

# Triad

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



77.5365, 0.3395, 0.4182



77.5365, 0.2242, 0.2667



77.5365, 0.3775, 0.3056

# Complementary

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



77.5365, 0.3395, 0.4182



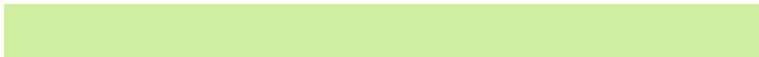
42.6012, 0.2776, 0.2370

# Split Complementary

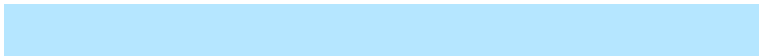
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5365, 0.3297, 0.2736



77.5365, 0.3395, 0.4182



77.5365, 0.2430, 0.2509

# Square

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



77.5365, 0.3395, 0.4182



77.5365, 0.2264, 0.3018



77.5365, 0.2804, 0.2540

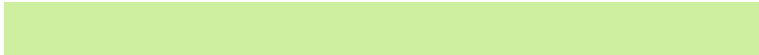


77.5365, 0.4074, 0.3442



# Rectangle

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



77.5365, 0.3395, 0.4182



77.5365, 0.2618, 0.3668



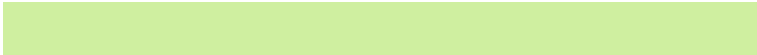
77.5365, 0.2804, 0.2540



77.5365, 0.3627, 0.2939

# Sweetspot

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



77.5399, 0.3395, 0.4182



96.5570, 0.3210, 0.3542



58.4265, 0.3783, 0.3640



20.5690, 0.3222, 0.3579



0.0000, 0.0000, 0.0000

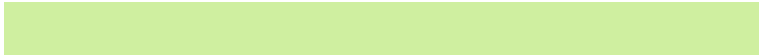


21.4041, 0.3127, 0.3290

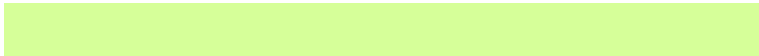


# Same Dimension

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



77.5399, 0.3395, 0.4182



88.0635, 0.3445, 0.4388



72.5933, 0.3131, 0.4260



18.1210, 0.3206, 0.3528



37.3771, 0.3504, 0.5600



3.1673, 0.3592, 0.5530



# Inverse Universe

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



42.6012, 0.2776, 0.2370



41.5181, 0.2680, 0.2149



48.3950, 0.3099, 0.2453



15.5415, 0.3043, 0.3050



4.9169, 0.1854, 0.0795

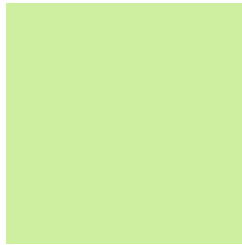


0.4656, 0.2000, 0.0876



# Previews

## White Background



This preview shows how the Yxy color 77.5365, 0.3395, 0.4182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

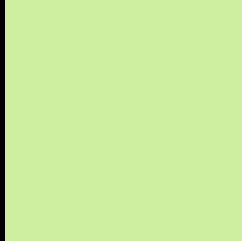
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.5365, 0.3395, 0.4182 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 77.5365, 0.3395, 0.4182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5365, 0.3395, 0.4182.

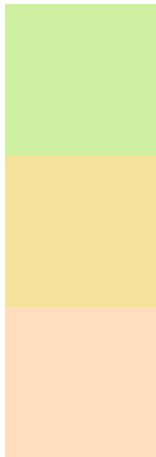


This preview shows how white text looks on a background with the Yxy color 77.5365, 0.3395, 0.4182.

# 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

77.5365, 0.3395, 0.4182

### Protanopia

76.8976, 0.3750, 0.4039

### Deuteranopia

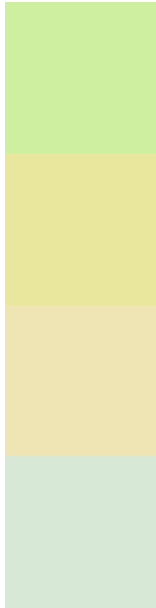
77.2641, 0.3584, 0.3607



## Tritanopia

77.2007, 0.2955, 0.3100

# Trichromacy



**Original Color**

77.5365, 0.3395, 0.4182

**Protanomaly**

76.7420, 0.3617, 0.4086

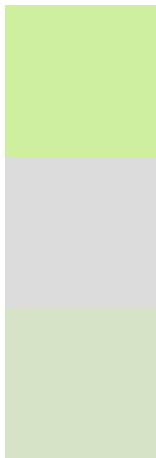
**Deuteranomaly**

76.9592, 0.3518, 0.3801

**Tritanomaly**

77.0666, 0.3118, 0.3476

# Monochromacy



**Original Color**

77.5365, 0.3395, 0.4182

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

73.4625, 0.3231, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  77.5365, 0.3395, 0.4182 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(207, 239, 160)` looks like.

```
.text, #text, p{  
    color:rgb(207, 239, 160)  
}
```

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(207, 239, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 239, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5365, 0.3395, 0.4182 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(207, 239, 160) }
```

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

```
.border{ border-color:rgb(207, 239, 160) }
```

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

Here you see how a box with a 4 pixel rgb(207, 239, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 239, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 239, 160);  
box-shadow:4px 4px 4px 4px rgb(207, 239,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.5365, 0.3395, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 239, 160) }
```

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

```
.background{ background-color: rgb(207,  
239, 160) }
```

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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