

# Converting Colors

Yxy(81.1559, 0.3403, 0.4156)

Have a look what the booklet for  
Yxy(81.1559, 0.3403, 0.4156)  
contains.

<b>Yxy(80.9639, 0.3399, 0.4152)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(80.9639, 0.3399, 0.4152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F3A5
RGB	213, 243, 165
RGB Percent	84%, 95%, 65%
CMY	0.1648, 0.0470, 0.3527
CMYK	0.12, 0.00, 0.32, 0.05
HSL	83°, 76%, 80%
HSV	83°, 32%, 95%
XYZ	66.2804, 80.9639, 47.7554
YIQ	225.1380, 7.1580, -30.6180

# Conversions

## Conversions Part 2

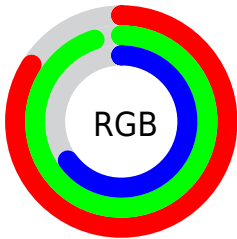
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 243, 195</a>
Decimal	<a href="#">14021541</a>
CIELab	<a href="#">92.12, -22.63, 34.45</a>
CIELCh	<a href="#">92, 41.216, 123.296</a>
Yxy	<a href="#">80.9639, 0.3399, 0.4152</a>
Android (android.graphics.Color)	<a href="#">4292211621 (0xFFD5F3A5)</a>
YUV	<a href="#">225.1380, -29.6480, -10.6450</a>
Hunter-Lab	<a href="#">89.9799, -25.9794, 31.5187</a>

# Details

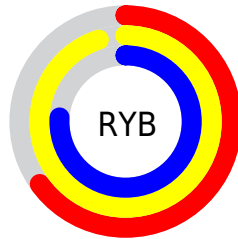
The Yxy color **80.9639, 0.3399, 0.4152** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.0148, 0.2776, 0.2395**, and the grayscale version is **75.6146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **43.8786, 0.3444, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **78.8049, 0.3472, 0.4440**, and if you desaturate by 10%, it is **83.3790, 0.3317, 0.3868**.

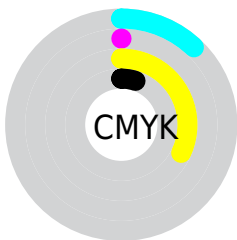
# Distribution



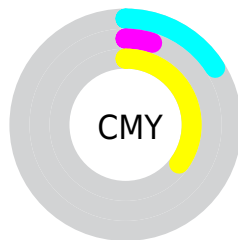
- Red (84%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)




- Cyan (16%)
- Magenta (5%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9639, 0.3399, 0.4152 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 80.9639, 0.3399, 0.4152 by changing the saturation by 10% instead.





 80.9639, 0.3399,  
0.4152


 80.9639, 0.3399,  
0.4152


498.1753, 0.3286,  
0.3748

 60.5119, 0.3421,  
0.4245

 134.7201, 0.3363,  
0.4011

 43.8313, 0.3446,  
0.4359

 168.7930, 0.3348,  
0.3956

 30.5379, 0.3475,  
0.4504


208.1750, 0.3335,  
0.3909

 20.2473, 0.3506,  
0.4692

253.2506, 0.3323,  
0.3869

 12.5749, 0.3537,  
0.4943

304.4039, 0.3312,  
0.3833

 7.1365, 0.3556,  
0.5292


362.0196, 0.3303,


 3.5476, 0.3623,


0.3801


0.5946


426.4819, 0.3294,  
0.3773


 1.4239, 0.3366,  
0.6634


 0.2342, 0.0000,  
1.0000


 80.9639, 0.3399,  
0.4152


 80.9639, 0.3399,  
0.4152


 78.8049, 0.3472,  
0.4440

 83.3790, 0.3317,  
0.3868

 76.8803, 0.3533,  
0.4720

 86.0497, 0.3231,  
0.3596

 75.1820, 0.3575,  
0.4980

 88.9890, 0.3145,  
0.3341

 73.6967, 0.3595,  
0.5206

 91.7295, 0.3103,  
0.3174

■ 72.4094, 0.3590,  
0.5386

■ 92.5868, 0.3133,  
0.3175

■ 71.3022, 0.3560,  
0.5514

■ 70.5321, 0.3524,  
0.5584

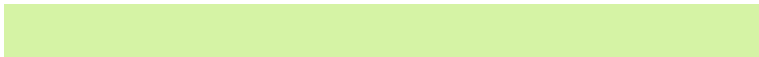
# Harmonies

## Analogous

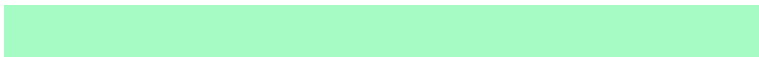
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9639, 0.3819, 0.4080



80.9639, 0.3399, 0.4152



80.9639, 0.2926, 0.3940

# Triad

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



80.9639, 0.3399, 0.4152



80.9639, 0.2268, 0.2694



80.9639, 0.3743, 0.3055

# Complementary

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



80.9639, 0.3399, 0.4152



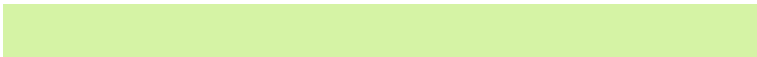
45.0148, 0.2776, 0.2395

# Split Complementary

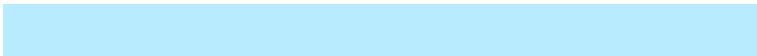
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9639, 0.3280, 0.2747



80.9639, 0.3399, 0.4152



80.9639, 0.2446, 0.2534

# Square

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



80.9639, 0.3399, 0.4152



80.9639, 0.2294, 0.3039



80.9639, 0.2805, 0.2560

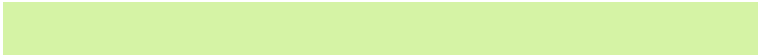


80.9639, 0.4037, 0.3430

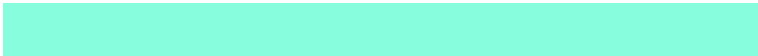


# Rectangle

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



80.9639, 0.3399, 0.4152



80.9639, 0.2644, 0.3666



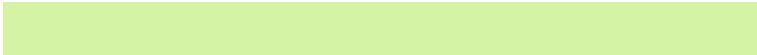
80.9639, 0.2805, 0.2560



80.9639, 0.3600, 0.2942

# Sweetspot

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



80.9675, 0.3399, 0.4152



96.6491, 0.3214, 0.3542



60.7764, 0.3764, 0.3616



20.5913, 0.3226, 0.3579



0.0000, 0.0000, 0.0000

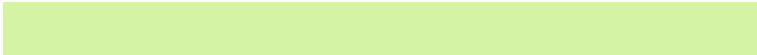


21.4041, 0.3127, 0.3290

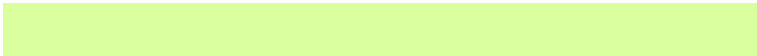


# Same Dimension

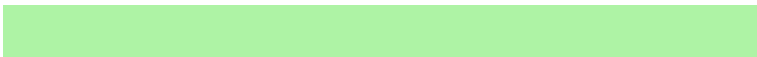
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9675, 0.3399, 0.4152



88.8459, 0.3444, 0.4325



75.8410, 0.3139, 0.4226



18.9762, 0.3209, 0.3528



38.7872, 0.3534, 0.5576



3.4681, 0.3616, 0.5511



# Inverse Universe

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



45.0148, 0.2776, 0.2395



43.3680, 0.2693, 0.2207



50.8788, 0.3089, 0.2473



16.2379, 0.3040, 0.3050



4.9186, 0.1821, 0.0777

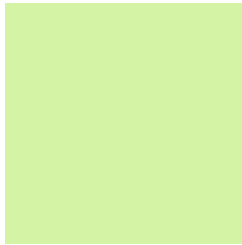


0.4896, 0.1959, 0.0853



# Previews

## White Background



This preview shows how the Yxy color 80.9639, 0.3399, 0.4152 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 80.9639, 0.3399, 0.4152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

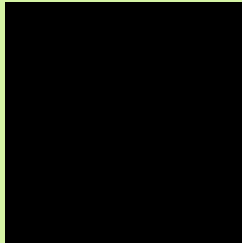
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9639, 0.3399, 0.4152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9639, 0.3399, 0.4152.

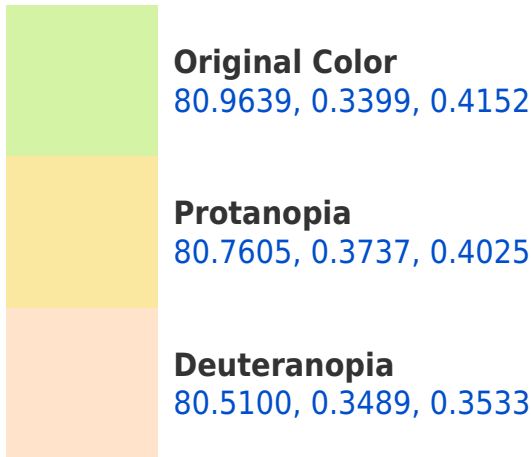


This preview shows how white text looks on a background with the Yxy color 80.9639, 0.3399, 0.4152.

# 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





## Tritanopia

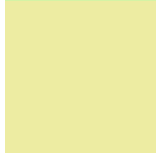
80.6858, 0.2965, 0.3094

# Trichromacy



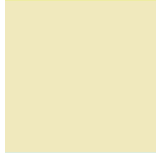
## Original Color

80.9639, 0.3399, 0.4152



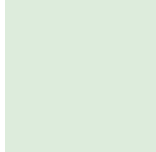
## Protanomaly

80.6041, 0.3608, 0.4070



## Deuteranomaly

80.4772, 0.3462, 0.3752



## Tritanomaly

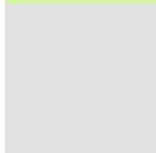
80.5304, 0.3126, 0.3461

# Monochromacy



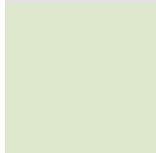
## Original Color

80.9639, 0.3399, 0.4152



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.3972, 0.3236, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9639, 0.3399, 0.4152 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(213, 243, 165)` looks like.

```
.text, #text, p{  
    color:rgb(213, 243, 165)  
}
```

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(213, 243, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 243, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9639, 0.3399, 0.4152 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(213, 243, 165) }
```

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

```
.border{ border-color:rgb(213, 243, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 243, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 243, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 243, 165);  
box-shadow:4px 4px 4px 4px rgb(213, 243,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9639, 0.3399, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 243, 165) }
```

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

```
.background{ background-color: rgb(213,  
243, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor