

# Converting Colors

$Yxy(79.3344, 0.3406, 0.4069)$

Have a look what the booklet for  
Yxy(79.3344, 0.3406, 0.4069)  
contains.

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# Color

**Yxy(79.1965, 0.3405, 0.4064)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8EFA9
RGB	216, 239, 169
RGB Percent	85%, 94%, 66%
CMY	0.1528, 0.0628, 0.3373
CMYK	0.10, 0.00, 0.29, 0.06
HSL	80°, 69%, 80%
HSV	80°, 29%, 94%
XYZ	66.3544, 79.1965, 49.3224
YIQ	224.1430, 8.7620, -26.6460

# Conversions

## Conversions Part 2

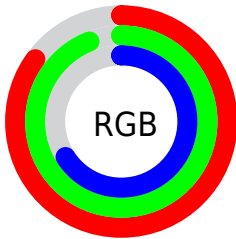
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 239, 192
Decimal	14217129
CIELab	91.32, -19.05, 31.44
CIElCh	91, 36.758, 121.206
Yxy	79.1965, 0.3405, 0.4064
Android (android.graphics.Color)	4292407209 (0xFFD8EFA9)
YUV	224.1430, -27.1855, -7.1414
Hunter-Lab	88.9924, -22.6439, 29.4343

# Details

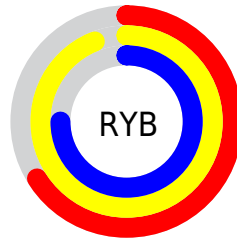
The Yxy color **79.1965, 0.3405, 0.4064** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **45.8071, 0.2782, 0.2475**, and the grayscale version is **74.8479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **42.6015, 0.3455, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **77.2169, 0.3491, 0.4345**, and if you desaturate by 10%, it is **81.4041, 0.3312, 0.3787**.

# Distribution



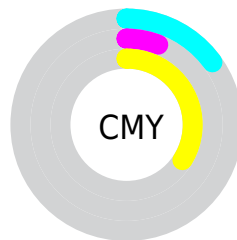
- Red (85%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (75%)



- Cyan (10%)
- Magenta (0%)
- Yellow (29%)
- Black (6%)




- Cyan (15%)
- Magenta (6%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1965, 0.3405, 0.4064 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 79.1965, 0.3405, 0.4064 by changing the saturation by 10% instead.





 79.1965, 0.3405,  
0.4064

 79.1965, 0.3405,  
0.4064


492.2208, 0.3287,  
0.3701

 59.0574, 0.3429,  
0.4147

 132.2355, 0.3366,  
0.3937

 42.6593, 0.3457,  
0.4251


 165.9041, 0.3350,  
0.3888

 29.6179, 0.3490,  
0.4381


204.8513, 0.3337,  
0.3846

 19.5487, 0.3528,  
0.4551

249.4616, 0.3324,  
0.3809

 12.0675, 0.3571,  
0.4779

300.1193, 0.3313,  
0.3777

 6.7896, 0.3612,  
0.5099

357.2088, 0.3303,

 3.3309, 0.3694,

0.3749

0.5672

421.1145, 0.3295,  
0.3724

■ 1.3068, 0.3573,  
0.6427

■ 0.1465, 0.0000,  
1.0000

■ 79.1965, 0.3405,  
0.4064

■ 79.1965, 0.3405,  
0.4064

■ 77.2169, 0.3491,  
0.4345

■ 81.4041, 0.3312,  
0.3787

■ 75.4452, 0.3566,  
0.4619

■ 83.8383, 0.3216,  
0.3522

■ 73.8741, 0.3624,  
0.4875

■ 86.5110, 0.3120,  
0.3273

■ 72.4920, 0.3660,  
0.5100

■ 88.7967, 0.3085,  
0.3134

■ 71.2855, 0.3671,  
0.5283

■ 90.2110, 0.3134,  
0.3136

■ 70.2391, 0.3656,  
0.5417

■ 69.3288, 0.3621,  
0.5504

■ 69.2673, 0.3618,  
0.5509

# Harmonies

## Analogous

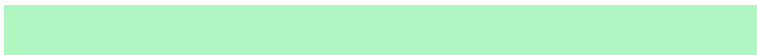
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1965, 0.3774, 0.3990



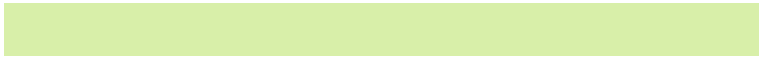
79.1965, 0.3405, 0.4064



79.1965, 0.2978, 0.3890

# Triad

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



79.1965, 0.3405, 0.4064



79.1965, 0.2343, 0.2772



79.1965, 0.3655, 0.3057

# Complementary

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



79.1965, 0.3405, 0.4064



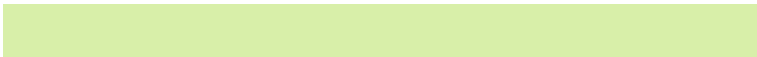
45.8071, 0.2782, 0.2475

# Split Complementary

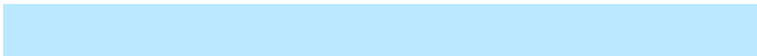
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1965, 0.3235, 0.2781



79.1965, 0.3405, 0.4064



79.1965, 0.2494, 0.2611

# Square

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



79.1965, 0.3405, 0.4064



79.1965, 0.2382, 0.3096



79.1965, 0.2811, 0.2620

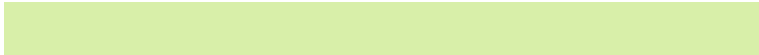


79.1965, 0.3933, 0.3397

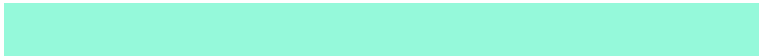


# Rectangle

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



79.1965, 0.3405, 0.4064



79.1965, 0.2718, 0.3655



79.1965, 0.2811, 0.2620



79.1965, 0.3524, 0.2956

# Sweetspot

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



79.2000, 0.3405, 0.4064



97.2092, 0.3213, 0.3515



58.5474, 0.3710, 0.3536



20.7148, 0.3227, 0.3553



0.0000, 0.0000, 0.0000

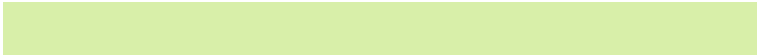


21.4041, 0.3127, 0.3290

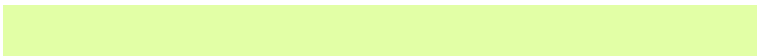


# Same Dimension

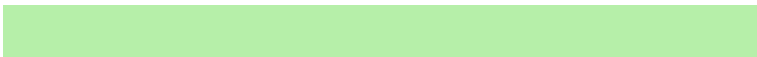
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2000, 0.3405, 0.4064



90.3885, 0.3457, 0.4228



74.5198, 0.3170, 0.4124



18.1842, 0.3218, 0.3527



38.3540, 0.3627, 0.5502



3.2444, 0.3703, 0.5442



# Inverse Universe

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



45.8071, 0.2782, 0.2475



46.0069, 0.2697, 0.2291



50.8015, 0.3056, 0.2537



15.4805, 0.3031, 0.3049



4.4115, 0.1738, 0.0731

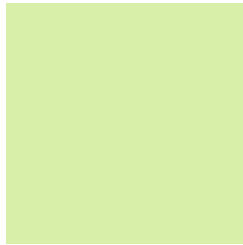


0.4190, 0.1880, 0.0809



# Previews

## White Background



This preview shows how the Yxy color 79.1965, 0.3405, 0.4064 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 79.1965, 0.3405, 0.4064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

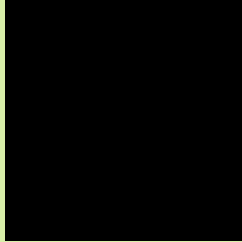
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1965, 0.3405, 0.4064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1965, 0.3405, 0.4064.

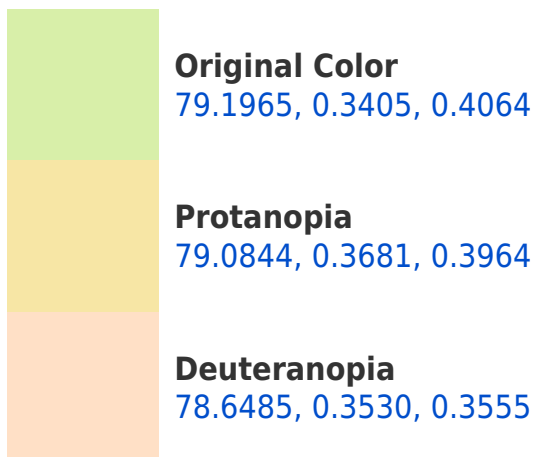


This preview shows how white text looks on a background with the Yxy color 79.1965, 0.3405, 0.4064.

# 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

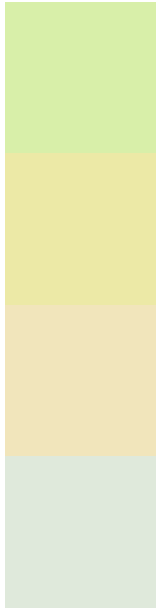




## Tritanopia

79.0849, 0.3002, 0.3104

# Trichromacy



**Original Color**

79.1965, 0.3405, 0.4064

**Protanomaly**

78.8639, 0.3583, 0.4002

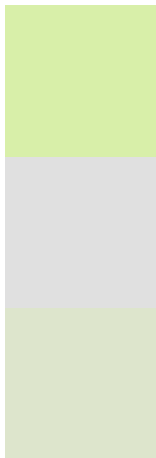
**Deuteranomaly**

78.3273, 0.3491, 0.3732

**Tritanomaly**

79.0803, 0.3147, 0.3440

# Monochromacy



**Original Color**

79.1965, 0.3405, 0.4064

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.7704, 0.3233, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1965, 0.3405, 0.4064 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(216, 239, 169)` looks like.

```
.text, #text, p{  
    color:rgb(216, 239, 169)  
}
```

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(216, 239, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 239, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1965, 0.3405, 0.4064 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(216, 239, 169) }
```

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

```
.border{ border-color:rgb(216, 239, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 239, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 239, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 239, 169);  
box-shadow:4px 4px 4px 4px rgb(216, 239,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1965, 0.3405, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 239, 169) }
```

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

```
.background{ background-color: rgb(216,  
239, 169) }
```

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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