

# Converting Colors

$Yxy(76.9094, 0.3217, 0.3922)$

Have a look what the booklet for  
Yxy(76.9094, 0.3217, 0.3922)  
contains.

<b>Yxy(76.9855, 0.3216, 0.3917)</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(76.9855, 0.3216, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9EEB7
RGB	201, 238, 183
RGB Percent	79%, 93%, 72%
CMY	0.2118, 0.0666, 0.2822
CMYK	0.16, 0.00, 0.23, 0.07
HSL	100°, 62%, 83%
HSV	100°, 23%, 93%
XYZ	63.2079, 76.9855, 56.3486
YIQ	220.6670, -4.3970, -24.9490

# Conversions

## Conversions Part 2

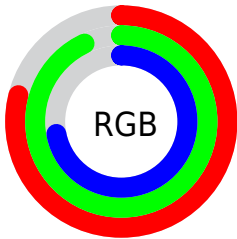
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 238, 220
Decimal	13233847
CIELab	90.31, -21.82, 22.73
CIELCh	90, 31.511, 133.836
Yxy	76.9855, 0.3216, 0.3917
Android (android.graphics.Color)	4291423927 (0xFFC9EEB7)
YUV	220.6670, -18.5698, -17.2480
Hunter-Lab	87.7414, -24.9580, 23.3422

# Details

The Yxy color **76.9855, 0.3216, 0.3917** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.2833, 0.3013, 0.2690**, and the grayscale version is **72.1968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **41.1786, 0.3224, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **73.9727, 0.3248, 0.4227**, and if you desaturate by 10%, it is **80.4045, 0.3179, 0.3629**.

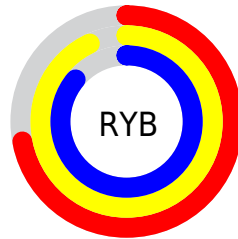
# Distribution



Red (79%)

Green (93%)

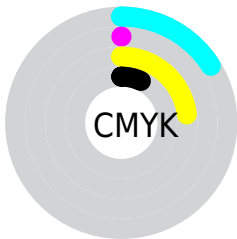
Blue (72%)



Red (72%)

Yellow (93%)

Blue (86%)

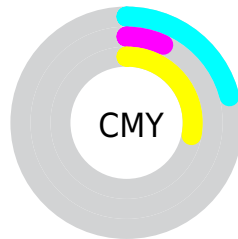


Cyan (16%)

Magenta (0%)

Yellow (23%)

Black (7%)



Cyan (21%)

Magenta (7%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9855, 0.3216, 0.3917 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 76.9855, 0.3216, 0.3917 by changing the saturation by 10% instead.





 76.9855, 0.3216,  
0.3917

 76.9855, 0.3216,  
0.3917

484.7146, 0.3181,  
0.3620

 57.2410, 0.3222,  
0.3987


 129.1190, 0.3205,  
0.3812

 41.1987, 0.3229,  
0.4073


162.2768, 0.3201,  
0.3772

 28.4744, 0.3237,  
0.4184


200.6744, 0.3196,  
0.3738

 18.6836, 0.3244,  
0.4331

244.6964, 0.3193,  
0.3708

 11.4419, 0.3248,  
0.4534

294.7269, 0.3189,  
0.3682

 6.3649, 0.3244,  
0.4830


351.1506, 0.3186,


 3.0682, 0.3212,


0.3659


0.5302

414.3517, 0.3184,  
0.3638

 1.1674, 0.3213,  
0.6787

 0.0349, 0.0000,  
1.0000

 76.9855, 0.3216,  
0.3917


 76.9855, 0.3216,  
0.3917


 73.9727, 0.3248,  
0.4227


 80.4045, 0.3179,  
0.3629


 71.3406, 0.3273,  
0.4549

 84.2343, 0.3140,  
0.3366

 69.0760, 0.3287,  
0.4872

 88.4920, 0.3100,  
0.3130

 67.1609, 0.3286,  
0.5178

 89.6337, 0.3135,  
0.3127

■ 65.5757, 0.3270,  
0.5448

■ 64.2984, 0.3237,  
0.5662

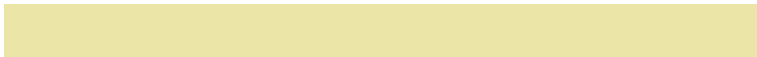
■ 63.3037, 0.3191,  
0.5809

■ 62.7597, 0.3155,  
0.5877

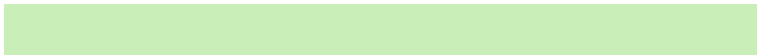
# Harmonies

## Analogous

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



76.9855, 0.3569, 0.3947



76.9855, 0.3216, 0.3917



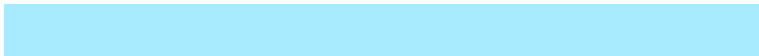
76.9855, 0.2853, 0.3684

# Triad

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



76.9855, 0.3216, 0.3917



76.9855, 0.2478, 0.2763



76.9855, 0.3706, 0.3211

# Complementary

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



76.9855, 0.3216, 0.3917



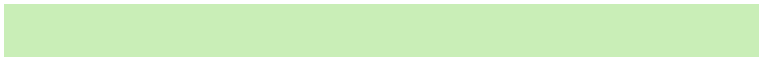
55.2833, 0.3013, 0.2690

# 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.



76.9855, 0.3383, 0.2938



76.9855, 0.3216, 0.3917



76.9855, 0.2677, 0.2682

# Square

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



76.9855, 0.3216, 0.3917



76.9855, 0.2442, 0.2992



76.9855, 0.3003, 0.2748

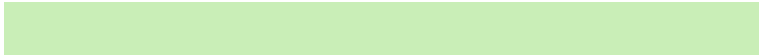


76.9855, 0.3865, 0.3517



# Rectangle

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



76.9855, 0.3216, 0.3917



76.9855, 0.2653, 0.3454



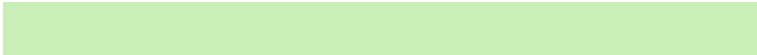
76.9855, 0.3003, 0.2748



76.9855, 0.3611, 0.3114

# Sweetspot

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



76.9888, 0.3216, 0.3917



96.6935, 0.3155, 0.3466



72.6204, 0.3517, 0.3684



20.6378, 0.3158, 0.3482



0.0000, 0.0000, 0.0000

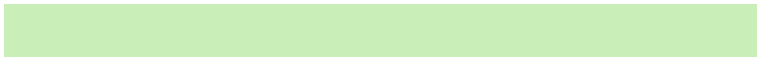


21.4041, 0.3127, 0.3290

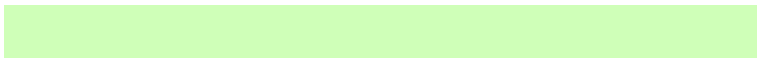


# Same Dimension

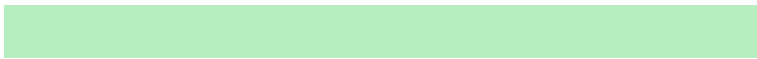
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9888, 0.3216, 0.3917



88.2152, 0.3233, 0.4070



75.0405, 0.3043, 0.3828



17.9068, 0.3165, 0.3531



35.0731, 0.3165, 0.5869



2.9696, 0.3264, 0.5790



# Inverse Universe

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



55.2833, 0.3013, 0.2690



58.4404, 0.2982, 0.2552



57.7105, 0.3224, 0.2806



15.7579, 0.3086, 0.3054



7.7053, 0.2400, 0.1096

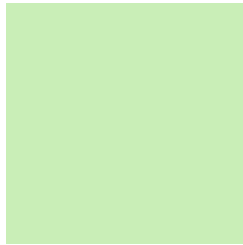


0.6946, 0.2508, 0.1156



# Previews

## White Background



This preview shows how the Yxy color 76.9855, 0.3216, 0.3917 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 76.9855, 0.3216, 0.3917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

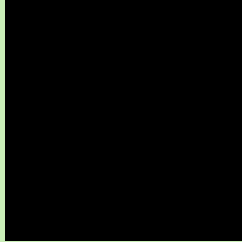
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

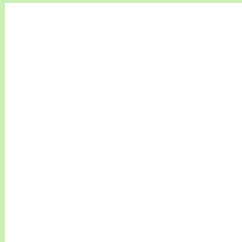
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9855, 0.3216, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9855, 0.3216, 0.3917.

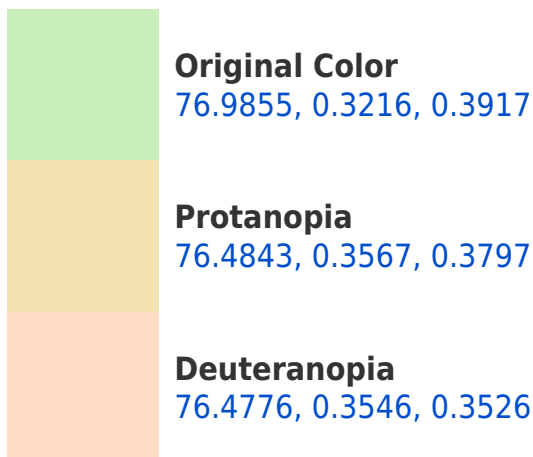


This preview shows how white text looks on a background with the Yxy color 76.9855, 0.3216, 0.3917.

# 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

76.6648, 0.2893, 0.3087

# Trichromacy



**Original Color**

76.9855, 0.3216, 0.3917

**Protanomaly**

76.2198, 0.3432, 0.3835

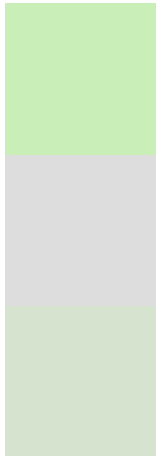
**Deuteranomaly**

76.4061, 0.3417, 0.3664

**Tritanomaly**

76.3604, 0.3010, 0.3378

# Monochromacy



**Original Color**

76.9855, 0.3216, 0.3917

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

73.7393, 0.3165, 0.3512

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9855, 0.3216, 0.3917 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(201, 238, 183)` looks like.

```
.text, #text, p{  
    color:rgb(201, 238, 183)  
}
```

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(201, 238, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 238, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9855, 0.3216, 0.3917 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(201, 238, 183) }
```

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

```
.border{ border-color:rgb(201, 238, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 238, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 238, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 238, 183);  
box-shadow:4px 4px 4px 4px rgb(201, 238,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9855, 0.3216, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 238, 183) }
```

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

```
.background{ background-color: rgb(201,  
238, 183) }
```

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