

# Converting Colors

$Yxy(76.6076, 0.3096, 0.3736)$

Have a look what the booklet for  
Yxy(76.6076, 0.3096, 0.3736)  
contains.

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# Color

**Yxy(76.5159, 0.3100, 0.3735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5EDC6
RGB	197, 237, 198
RGB Percent	77%, 93%, 78%
CMY	0.2273, 0.0706, 0.2236
CMYK	0.17, 0.00, 0.16, 0.07
HSL	121°, 53%, 85%
HSV	121°, 17%, 93%
XYZ	63.5072, 76.5159, 64.8388
YIQ	220.5940, -11.3210, -20.6090

# Conversions

## Conversions Part 2

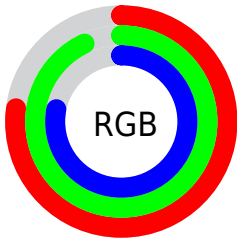
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 236, 237
Decimal	12971462
CIELab	90.10, -20.20, 14.67
CIELCh	90, 24.965, 144.024
Yxy	76.5159, 0.3100, 0.3735
Android (android.graphics.Color)	4291161542 (0xFFC5EDC6)
YUV	220.5940, -11.1388, -20.6919
Hunter-Lab	87.4734, -23.4843, 17.2832

# Details

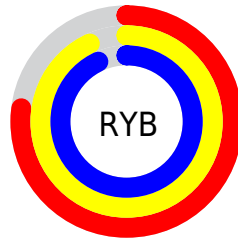
The Yxy color **76.5159, 0.3100, 0.3735** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.0088, 0.3154, 0.2882**, and the grayscale version is **72.0969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **40.9010, 0.3093, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **72.5795, 0.3082, 0.4044**, and if you desaturate by 10%, it is **81.1248, 0.3117, 0.3459**.

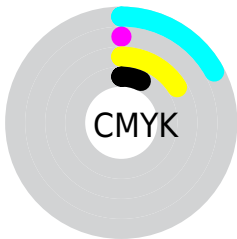
# Distribution



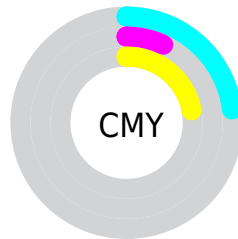
- Red (77%)
- Green (93%)
- Blue (78%)



- Red (77%)
- Yellow (93%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)




- Cyan (23%)
- Magenta (7%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5159, 0.3100, 0.3735 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 76.5159, 0.3100, 0.3735 by changing the saturation by 10% instead.




 76.5159, 0.3100,  
0.3735

 76.5159, 0.3100,  
0.3735


483.1119, 0.3116,  
0.3525

 56.8556, 0.3096,  
0.3784


128.4559, 0.3106,  
0.3661

 40.8894, 0.3090,  
0.3845


161.5044, 0.3108,  
0.3633

 28.2326, 0.3082,  
0.3924


199.7845, 0.3110,  
0.3608

 18.5011, 0.3071,  
0.4028

243.6805, 0.3111,  
0.3587

 11.3103, 0.3053,  
0.4173

293.5769, 0.3113,  
0.3569

 6.2760, 0.3023,  
0.4387


349.8580, 0.3114,


 3.0136, 0.2964,


0.3552


0.4734


412.9082, 0.3115,  
0.3538

 1.1388, 0.2996,  
0.5993


 0.0109, 0.0000,  
1.0000


 76.5159, 0.3100,  
0.3735


 76.5159, 0.3100,  
0.3735


 72.5795, 0.3082,  
0.4044


 81.1248, 0.3117,  
0.3459

 69.2751, 0.3063,  
0.4381

 86.4252, 0.3132,  
0.3218

 66.5726, 0.3045,  
0.4735

 89.0483, 0.3135,  
0.3117

 64.4359, 0.3028,  
0.5086

■ 62.8246, 0.3014,  
0.5409

■ 61.6935, 0.3003,  
0.5676

■ 60.9894, 0.2998,  
0.5866

■ 60.6451, 0.2998,  
0.5971

■ 60.5808, 0.2997,  
0.5989

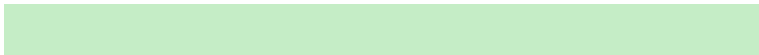
# Harmonies

## Analogous

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



76.5159, 0.3393, 0.3819



76.5159, 0.3100, 0.3735



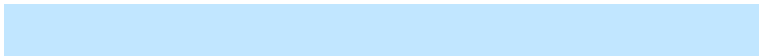
76.5159, 0.2824, 0.3512

# Triad

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



76.5159, 0.3100, 0.3735



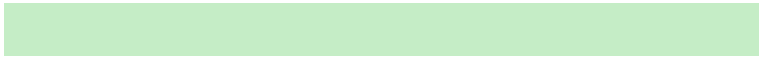
76.5159, 0.2647, 0.2833



76.5159, 0.3645, 0.3314

# Complementary

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



76.5159, 0.3100, 0.3735



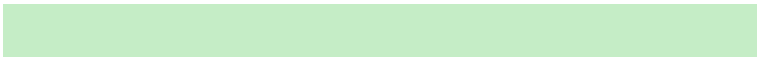
64.0088, 0.3154, 0.2882

# 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.



76.5159, 0.3427, 0.3077



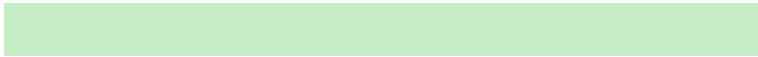
76.5159, 0.3100, 0.3735



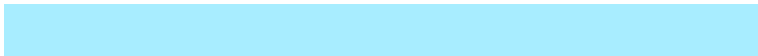
76.5159, 0.2849, 0.2806

# Square

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



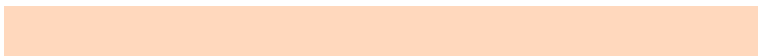
76.5159, 0.3100, 0.3735



76.5159, 0.2571, 0.2983



76.5159, 0.3133, 0.2895

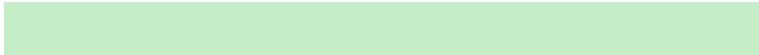


76.5159, 0.3717, 0.3557



# Rectangle

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



76.5159, 0.3100, 0.3735



76.5159, 0.2684, 0.3325



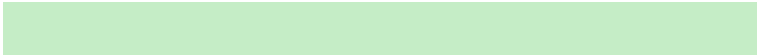
76.5159, 0.3133, 0.2895



76.5159, 0.3586, 0.3232

# Sweetspot

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



76.5192, 0.3100, 0.3735



96.8858, 0.3120, 0.3412



82.4909, 0.3376, 0.3710



20.6474, 0.3118, 0.3430



0.0000, 0.0000, 0.0000

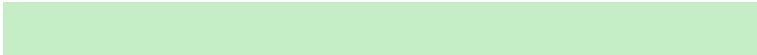


21.4041, 0.3127, 0.3290

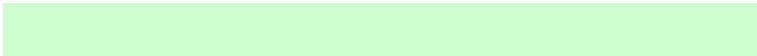


# Same Dimension

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



76.5192, 0.3100, 0.3735



88.7759, 0.3094, 0.3831



77.4878, 0.2983, 0.3506



16.8680, 0.3112, 0.3528



33.0776, 0.2996, 0.5985



2.5995, 0.2984, 0.5942



# Inverse Universe

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



64.0088, 0.3154, 0.2882



71.5873, 0.3159, 0.2803



62.9261, 0.3300, 0.3084



15.3072, 0.3142, 0.3063



12.9927, 0.3270, 0.1575



1.0222, 0.3261, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 76.5159, 0.3100, 0.3735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

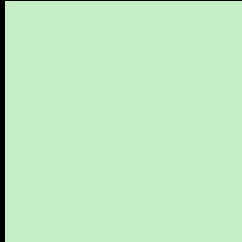
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5159, 0.3100, 0.3735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

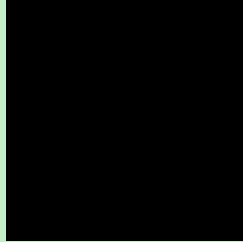
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

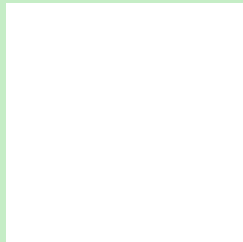
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5159, 0.3100, 0.3735**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5159, 0.3100, 0.3735.

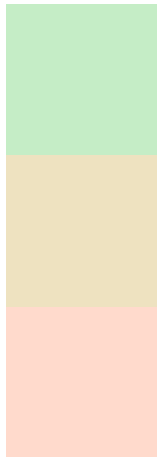


This preview shows how white text looks on a background with the Yxy color 76.5159, 0.3100, 0.3735.

# 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

76.5159, 0.3100, 0.3735

### Protanopia

76.3756, 0.3441, 0.3651

### Deuteranopia

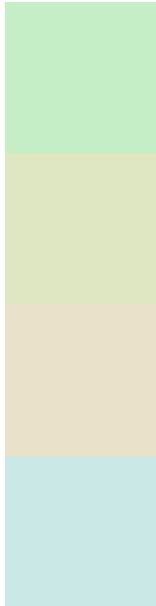
75.7624, 0.3499, 0.3434



## Tritanopia

76.3501, 0.2856, 0.3096

# Trichromacy



**Original Color**

76.5159, 0.3100, 0.3735

**Protanomaly**

76.1766, 0.3311, 0.3684

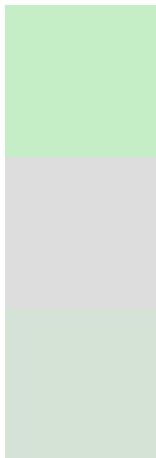
**Deuteranomaly**

75.6071, 0.3345, 0.3536

**Tritanomaly**

76.5476, 0.2942, 0.3322

# Monochromacy



**Original Color**

76.5159, 0.3100, 0.3735

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

73.7393, 0.3113, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5159, 0.3100, 0.3735 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(197, 237, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 237, 198)  
}
```

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(197, 237, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 237, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5159, 0.3100, 0.3735 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(197, 237, 198) }
```

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

```
.border{ border-color:rgb(197, 237, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 237, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 237, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 237, 198);  
box-shadow:4px 4px 4px 4px rgb(197, 237,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5159, 0.3100, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 237, 198) }
```

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

```
.background{ background-color: rgb(197,  
237, 198) }
```

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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