

# Converting Colors

$Yxy(78.1083, 0.3046, 0.3651)$

Have a look what the booklet for  
Yxy(78.1083, 0.3046, 0.3651)  
contains.

|  |    |
|--|----|
| <b>Yxy(78.1083, 0.3046, 0.3651)</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(78.1083, 0.3046, 0.3651)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | C5EFCF                       |
| RGB         | 197, 239, 207                |
| RGB Percent | 77%, 94%, 81%                |
| CMY         | 0.2272, 0.0628, 0.1883       |
| CMYK        | 0.18, 0.00, 0.13, 0.06       |
| HSL         | 134°, 57%, 86%               |
| HSV         | 134°, 18%, 94%               |
| XYZ         | 65.1651, 78.1083, 70.6633    |
| YIQ         | 222.7940, -14.7600, -18.8560 |

# Conversions

## Conversions Part 2

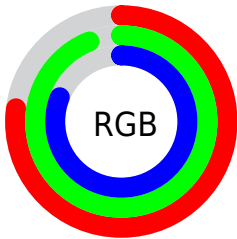
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 197, 231, 239                  |
| Decimal                             | 12971983                       |
| CIELab                              | 90.83, -19.58, 11.03           |
| CIElCh                              | 91, 22.476, 150.607            |
| Yxy                                 | 78.1083, 0.3046,<br>0.3651     |
| Android<br>(android.graphics.Color) | 4291162063<br>(0xFFC5EFCF)     |
| YUV                                 | 222.7940, -7.7864,<br>-22.6213 |
| Hunter-Lab                          | 88.3789, -23.0482,<br>14.4599  |

# Details

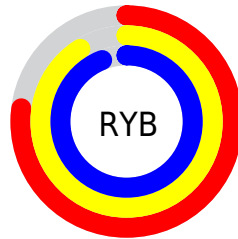
The Yxy color **78.1083, 0.3046, 0.3651** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.9710, 0.3220, 0.2954**, and the grayscale version is **73.7108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **42.0065, 0.3024, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **74.2944, 0.3001, 0.3892**, and if you desaturate by 10%, it is **82.5434, 0.3092, 0.3436**.

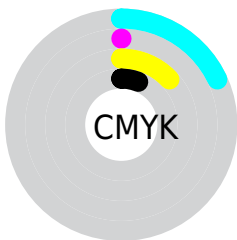
# Distribution



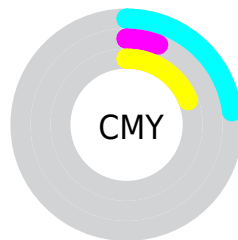
- Red (77%)
- Green (94%)
- Blue (81%)



- Red (77%)
- Yellow (91%)
- Blue (94%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)




- Cyan (23%)
- Magenta (6%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1083, 0.3046, 0.3651 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 78.1083, 0.3046, 0.3651 by changing the saturation by 10% instead.




 78.1083, 0.3046,  
0.3651

 78.1083, 0.3046,  
0.3651


488.5345, 0.3085,  
0.3482

 58.1629, 0.3037,  
0.3690


130.7028, 0.3060,  
0.3592

 41.9397, 0.3025,  
0.3739


164.1207, 0.3065,  
0.3569

 29.0540, 0.3009,  
0.3802


202.7983, 0.3070,  
0.3549

 19.1217, 0.2989,  
0.3884

247.1199, 0.3074,  
0.3532

 11.7583, 0.2960,  
0.3998

297.4699, 0.3077,  
0.3517

 6.5793, 0.2915,  
0.4166

354.2328, 0.3080,

 3.2004, 0.2840,

0.3504

0.4435

417.7928, 0.3083,  
0.3492

1.2372, 0.2719,  
0.5086

0.0918, 0.0000,  
1.0000

78.1083, 0.3046,  
0.3651

78.1083, 0.3046,  
0.3651

74.2944, 0.3001,  
0.3892

82.5434, 0.3092,  
0.3436

71.0643, 0.2960,  
0.4156

87.6156, 0.3138,  
0.3246

68.3915, 0.2924,  
0.4438

90.2086, 0.3134,  
0.3136

66.2439, 0.2898,  
0.4730

■ 64.5857, 0.2884,  
0.5020

■ 63.3767, 0.2885,  
0.5291

■ 62.5699, 0.2899,  
0.5528

■ 62.1039, 0.2926,  
0.5718

■ 62.0197, 0.2932,  
0.5757

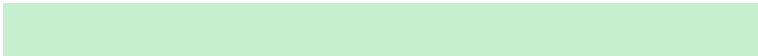
# Harmonies

## Analogous

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



78.1083, 0.3311, 0.3757



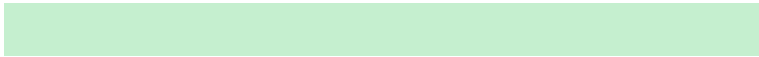
78.1083, 0.3046, 0.3651



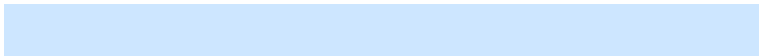
78.1083, 0.2810, 0.3435

# Triad

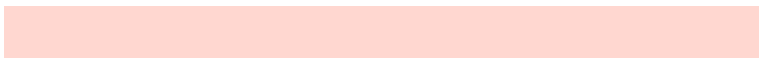
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1083, 0.3046, 0.3651



78.1083, 0.2728, 0.2865



78.1083, 0.3616, 0.3363

# Complementary

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



78.1083, 0.3046, 0.3651



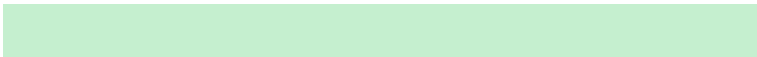
63.9710, 0.3220, 0.2954

# 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.



78.1083, 0.3447, 0.3144



78.1083, 0.3046, 0.3651



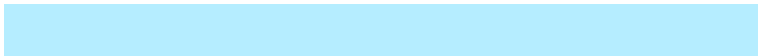
78.1083, 0.2930, 0.2863

# Square

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



78.1083, 0.3046, 0.3651



78.1083, 0.2632, 0.2978



78.1083, 0.3193, 0.2964



78.1083, 0.3648, 0.3575



# Rectangle

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



78.1083, 0.3046, 0.3651



78.1083, 0.2698, 0.3267



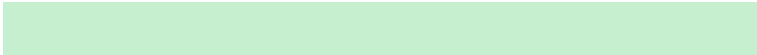
78.1083, 0.3193, 0.2964



78.1083, 0.3573, 0.3288

# Sweetspot

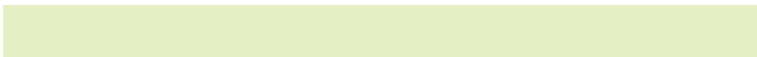
The Sweet Spot groups the original color and five complimentary colors.



78.1116, 0.3046, 0.3651



97.0505, 0.3104, 0.3385



82.4550, 0.3323, 0.3736



20.6873, 0.3101, 0.3399



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

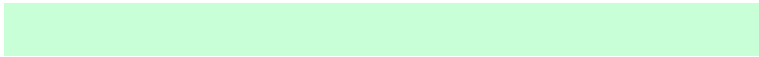


# Same Dimension

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



78.1116, 0.3046, 0.3651



88.8614, 0.3030, 0.3733



79.1982, 0.2925, 0.3413



17.7177, 0.3083, 0.3475



34.2928, 0.2926, 0.5733



2.8678, 0.2858, 0.5487



# Inverse Universe

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



63.9710, 0.3220, 0.2954



69.6738, 0.3242, 0.2884



62.8761, 0.3378, 0.3171



15.9637, 0.3174, 0.3112



12.0387, 0.3915, 0.1931



1.0168, 0.3803, 0.1868



# Previews

## White Background



This preview shows how the Yxy color 78.1083, 0.3046, 0.3651 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 78.1083, 0.3046, 0.3651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

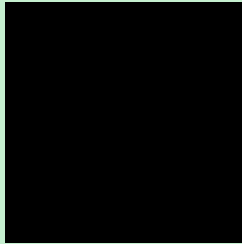
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

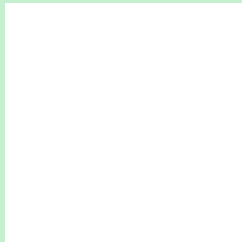
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.1083, 0.3046, 0.3651**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1083, 0.3046, 0.3651.

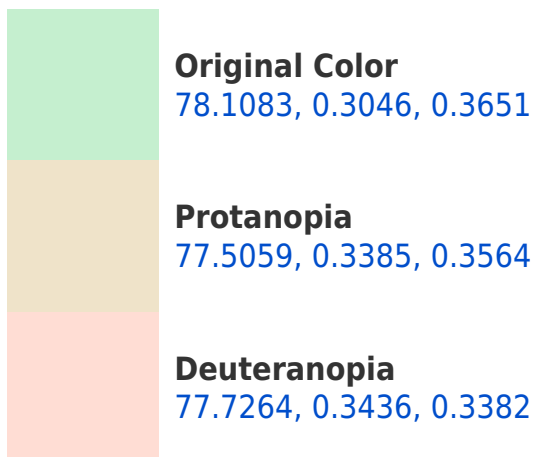


This preview shows how white text looks on a background with the Yxy color 78.1083, 0.3046, 0.3651.

# 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

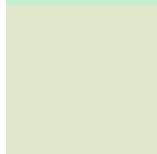
78.2220, 0.2840, 0.3097

# Trichromacy



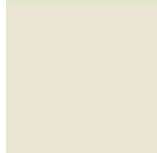
## Original Color

78.1083, 0.3046, 0.3651



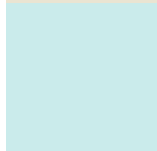
## Protanomaly

77.3109, 0.3258, 0.3594



## Deuteranomaly

77.6324, 0.3287, 0.3481



## Tritanomaly

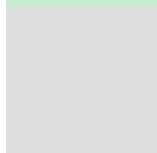
77.9714, 0.2913, 0.3289

# Monochromacy



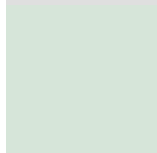
## Original Color

78.1083, 0.3046, 0.3651



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.3445, 0.3100, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1083, 0.3046, 0.3651 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, 239, 207)` looks like.

```
.text, #text, p{  
    color:rgb(197, 239, 207)  
}
```

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, 239, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 239, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1083, 0.3046, 0.3651 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, 239, 207) }
```

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

```
.border{ border-color:rgb(197, 239, 207) }
```

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

Here you see how a box with a 4 pixel rgb(197, 239, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 239, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 239, 207);  
box-shadow:4px 4px 4px 4px rgb(197, 239,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1083, 0.3046, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 239, 207) }
```

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

```
.background{ background-color: rgb(197,  
239, 207) }
```

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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