

# Converting Colors

$Yxy(77.4705, 0.2981, 0.3715)$

Have a look what the booklet for  
Yxy(77.4705, 0.2981, 0.3715)  
contains.

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# Color

**Yxy(77.4606, 0.2981, 0.3717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8F1CC
RGB	184, 241, 204
RGB Percent	72%, 95%, 80%
CMY	0.2784, 0.0549, 0.1999
CMYK	0.24, 0.00, 0.15, 0.05
HSL	141°, 67%, 83%
HSV	141°, 24%, 95%
XYZ	62.1227, 77.4606, 68.8122
YIQ	219.7390, -22.0950, -23.5910

# Conversions

## Conversions Part 2

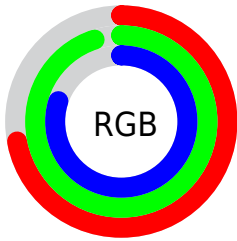
Format	Color
<a href="#">RYB</a>	<a href="#">184, 226, 241</a>
Decimal	<a href="#">12120524</a>
CIELab	<a href="#">90.53, -25.28, 12.05</a>
CIElCh	<a href="#">91, 28.001, 154.520</a>
Yxy	<a href="#">77.4606, 0.2981, 0.3717</a>
Android (android.graphics.Color)	<a href="#">4290310604</a> ( <a href="#">0xFFB8F1CC</a> )
YUV	<a href="#">219.7390, -7.7593, -31.3431</a>
Hunter-Lab	<a href="#">88.0117, -28.0270, 15.2521</a>

# Details

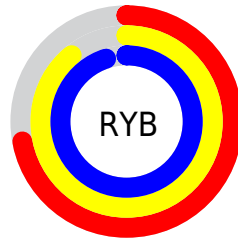
The Yxy color **77.4606, 0.2981, 0.3717** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.2028, 0.3310, 0.2899**, and the grayscale version is **71.4478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **41.6458, 0.2944, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **74.0235, 0.2924, 0.3932**, and if you desaturate by 10%, it is **81.4866, 0.3042, 0.3522**.

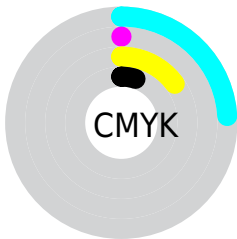
# Distribution



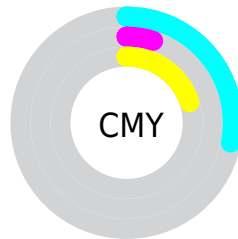
- Red (72%)
- Green (95%)
- Blue (80%)



- Red (72%)
- Yellow (89%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)




- Cyan (28%)
- Magenta (5%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4606, 0.2981, 0.3717 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 77.4606, 0.2981, 0.3717 by changing the saturation by 10% instead.




 77.4606, 0.2981,  
0.3717

 77.4606, 0.2981,  
0.3717


486.3330, 0.3051,  
0.3515

 57.6310, 0.2964,  
0.3764

 129.7895, 0.3006,  
0.3646

 41.5121, 0.2944,  
0.3823

163.0575, 0.3015,  
0.3619

 28.7194, 0.2917,  
0.3898


201.5738, 0.3023,  
0.3595

 18.8687, 0.2881,  
0.3998

245.7227, 0.3030,  
0.3575

 11.5754, 0.2831,  
0.4137

295.8888, 0.3036,  
0.3557

 6.4553, 0.2755,  
0.4342


352.4562, 0.3042,


 3.1238, 0.2630,


0.3542


0.4677


415.8095, 0.3047,  
0.3528


 1.1967, 0.2322,  
0.5657


 0.0590, 0.0000,  
1.0000


 77.4606, 0.2981,  
0.3717

 77.4606, 0.2981,  
0.3717


 74.0235, 0.2924,  
0.3932


 81.4866, 0.3042,  
0.3522


 71.1375, 0.2875,  
0.4165

 86.1177, 0.3104,  
0.3348

 68.7758, 0.2836,  
0.4413

 91.1337, 0.3158,  
0.3194

 66.9050, 0.2810,  
0.4667

 91.3930, 0.3133,  
0.3156

■ 65.4880, 0.2801,  
0.4919

■ 64.4820, 0.2810,  
0.5158

■ 63.8351, 0.2837,  
0.5373

■ 63.5628, 0.2860,  
0.5495

# Harmonies

## Analogous

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



77.4606, 0.3311, 0.3871



77.4606, 0.2981, 0.3717



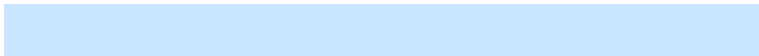
77.4606, 0.2700, 0.3429

# Triad

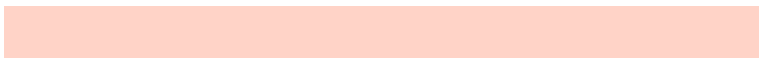
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4606, 0.2981, 0.3717



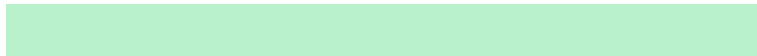
77.4606, 0.2657, 0.2756



77.4606, 0.3756, 0.3411

# Complementary

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



77.4606, 0.2981, 0.3717



58.2028, 0.3310, 0.2899

# 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.



77.4606, 0.3563, 0.3140



77.4606, 0.2981, 0.3717



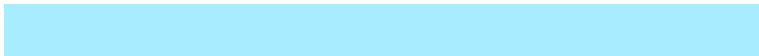
77.4606, 0.2919, 0.2774

# Square

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



77.4606, 0.2981, 0.3717



77.4606, 0.2521, 0.2873



77.4606, 0.3251, 0.2912

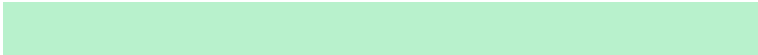


77.4606, 0.3769, 0.3669



# Rectangle

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



77.4606, 0.2981, 0.3717



77.4606, 0.2575, 0.3216



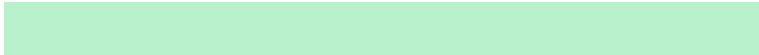
77.4606, 0.3251, 0.2912



77.4606, 0.3710, 0.3319

# Sweetspot

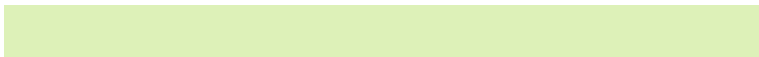
The Sweet Spot groups the original color and five complimentary colors.



77.4638, 0.2981, 0.3717



96.0467, 0.3083, 0.3405



81.7542, 0.3344, 0.3909



20.4885, 0.3079, 0.3415



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

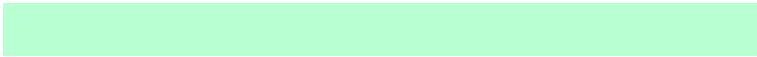


# Same Dimension

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



77.4638, 0.2981, 0.3717



86.2481, 0.2955, 0.3810



78.9555, 0.2823, 0.3385



17.7481, 0.3068, 0.3447



34.4905, 0.2851, 0.5465



2.8875, 0.2778, 0.5199



# Inverse Universe

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



58.2028, 0.3310, 0.2899



61.0843, 0.3353, 0.2822



56.8132, 0.3546, 0.3198



15.9317, 0.3192, 0.3138



11.4762, 0.4343, 0.2166

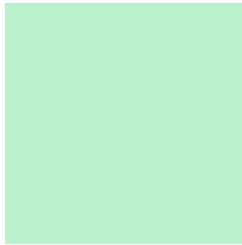


0.9735, 0.4154, 0.2062



# Previews

## White Background



This preview shows how the Yxy color 77.4606, 0.2981, 0.3717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

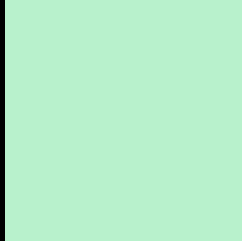
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4606, 0.2981, 0.3717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

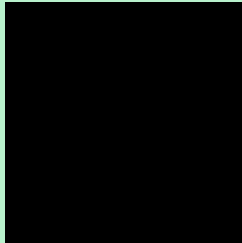
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

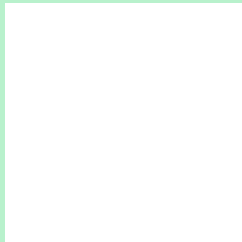
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.4606, 0.2981, 0.3717**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4606, 0.2981, 0.3717.

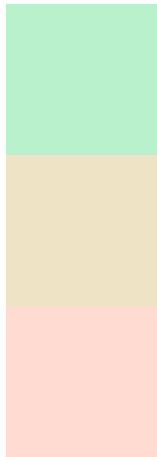


This preview shows how white text looks on a background with the Yxy color 77.4606, 0.2981, 0.3717.

# 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

77.4606, 0.2981, 0.3717

### Protanopia

77.1465, 0.3405, 0.3608

### Deuteranopia

76.5265, 0.3461, 0.3392



## Tritanopia

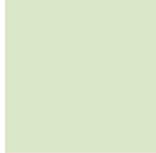
77.2749, 0.2759, 0.3083

# Trichromacy



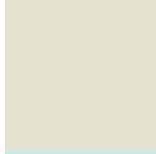
## Original Color

77.4606, 0.2981, 0.3717



## Protanomaly

76.7888, 0.3234, 0.3642



## Deuteranomaly

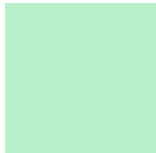
76.1012, 0.3272, 0.3505



## Tritanomaly

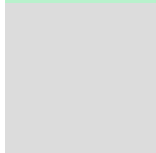
77.5137, 0.2842, 0.3311

# Monochromacy



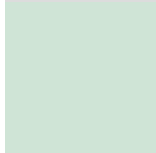
## Original Color

77.4606, 0.2981, 0.3717



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.6072, 0.3072, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4606, 0.2981, 0.3717 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(184, 241, 204)` looks like.

```
.text, #text, p{  
    color:rgb(184, 241, 204)  
}
```

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(184, 241, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 241, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4606, 0.2981, 0.3717 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(184, 241, 204) }
```

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

```
.border{ border-color:rgb(184, 241, 204) }
```

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

Here you see how a box with a 4 pixel rgb(184, 241, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 241, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 241, 204);  
box-shadow:4px 4px 4px 4px rgb(184, 241,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4606, 0.2981, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 241, 204) }
```

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

```
.background{ background-color: rgb(184,  
241, 204) }
```

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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