

# Converting Colors

$Yxy(79.2868, 0.3016, 0.3726)$

Have a look what the booklet for  
Yxy(79.2868, 0.3016, 0.3726)  
contains.

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# Color

**Yxy(79.4080, 0.3018, 0.3734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF3CC
RGB	190, 243, 204
RGB Percent	75%, 95%, 80%
CMY	0.2550, 0.0470, 0.2000
CMYK	0.22, 0.00, 0.16, 0.05
HSL	136°, 69%, 85%
HSV	136°, 22%, 95%
XYZ	64.1814, 79.4080, 69.0726
YIQ	222.7070, -19.0690, -23.3650

# Conversions

## Conversions Part 2

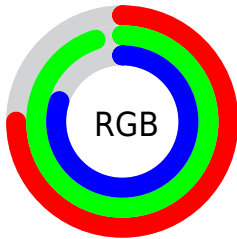
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 232, 243
Decimal	12514252
CIELab	91.42, -24.35, 13.36
CIELCh	91, 27.774, 151.257
Yxy	79.4080, 0.3018, 0.3734
Android (android.graphics.Color)	4290704332 (0xFFBEF3CC)
YUV	222.7070, -9.2226, -28.6840
Hunter-Lab	89.1112, -27.3818, 16.4204

# Details

The Yxy color **79.4080, 0.3018, 0.3734** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.5317, 0.3258, 0.2884**, and the grayscale version is **73.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **42.9769, 0.2990, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **75.7299, 0.2971, 0.3976**, and if you desaturate by 10%, it is **83.7129, 0.3068, 0.3516**.

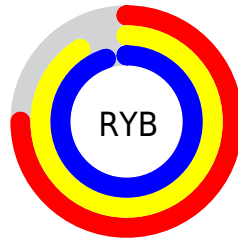
# Distribution



Red (75%)

Green (95%)

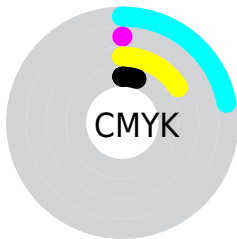
Blue (80%)



Red (75%)

Yellow (91%)

Blue (95%)

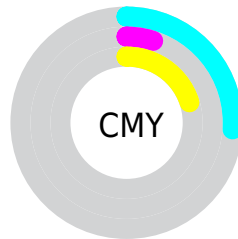


Cyan (22%)

Magenta (0%)

Yellow (16%)

Black (5%)



Cyan (26%)

Magenta (5%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4080, 0.3018, 0.3734 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 79.4080, 0.3018, 0.3734 by changing the saturation by 10% instead.





 79.4080, 0.3018,  
0.3734

 79.4080, 0.3018,  
0.3734

492.9355, 0.3071,  
0.3525

 59.2313, 0.3005,  
0.3783

 132.5331, 0.3037,  
0.3661

 42.7994, 0.2989,  
0.3843

166.2503, 0.3044,  
0.3633

 29.7277, 0.2968,  
0.3920


205.2498, 0.3050,  
0.3608

 19.6320, 0.2940,  
0.4023

249.9160, 0.3056,  
0.3587

 12.1278, 0.2901,  
0.4164

300.6332, 0.3060,  
0.3569

 6.8308, 0.2840,  
0.4372

357.7860, 0.3064,

 3.3565, 0.2738,

0.3553

0.4707

421.7586, 0.3068,  
0.3538

1.3206, 0.2561,  
0.5572

0.1570, 0.0000,  
1.0000

79.4080, 0.3018,  
0.3734

79.4080, 0.3018,  
0.3734

75.7299, 0.2971,  
0.3976

83.7129, 0.3068,  
0.3516

72.6394, 0.2929,  
0.4239

88.6617, 0.3118,  
0.3323

70.1084, 0.2895,  
0.4517

92.5867, 0.3133,  
0.3175

68.1021, 0.2872,  
0.4801

■ 66.5822, 0.2864,  
0.5078

■ 65.5046, 0.2871,  
0.5335

■ 64.8169, 0.2892,  
0.5556

■ 64.4799, 0.2918,  
0.5703

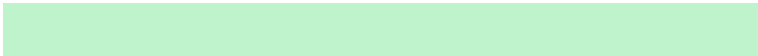
# Harmonies

## Analogous

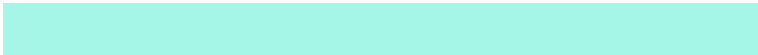
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4080, 0.3343, 0.3867



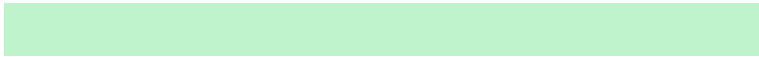
79.4080, 0.3018, 0.3734



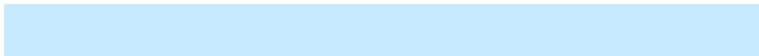
79.4080, 0.2733, 0.3461

# Triad

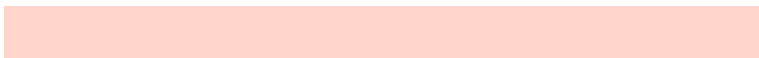
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.4080, 0.3018, 0.3734



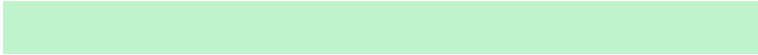
79.4080, 0.2643, 0.2770



79.4080, 0.3733, 0.3380

# Complementary

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



79.4080, 0.3018, 0.3734



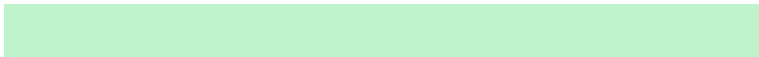
61.5317, 0.3258, 0.2884

# 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.



79.4080, 0.3526, 0.3115



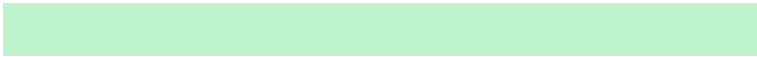
79.4080, 0.3018, 0.3734



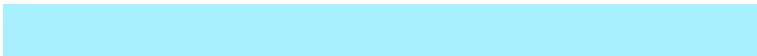
79.4080, 0.2890, 0.2773

# Square

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



79.4080, 0.3018, 0.3734



79.4080, 0.2525, 0.2900



79.4080, 0.3213, 0.2898

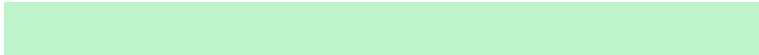


79.4080, 0.3766, 0.3638



# Rectangle

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



79.4080, 0.3018, 0.3734



79.4080, 0.2600, 0.3251



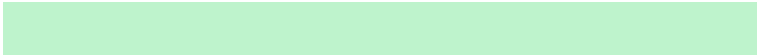
79.4080, 0.3213, 0.2898



79.4080, 0.3681, 0.3290

# Sweetspot

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



79.4113, 0.3018, 0.3734



95.9534, 0.3092, 0.3420



84.6057, 0.3364, 0.3852



20.4669, 0.3089, 0.3432



0.0000, 0.0000, 0.0000

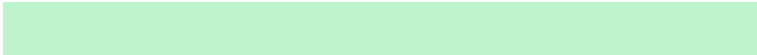


21.4041, 0.3127, 0.3290

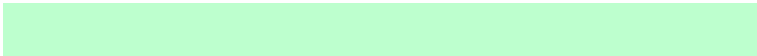


# Same Dimension

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



79.4113, 0.3018, 0.3734



86.7680, 0.2998, 0.3834



80.7508, 0.2874, 0.3436



18.5440, 0.3079, 0.3469



35.4047, 0.2910, 0.5677



3.1280, 0.2844, 0.5437



# Inverse Universe

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



61.5317, 0.3258, 0.2884



63.6681, 0.3289, 0.2802



60.1985, 0.3462, 0.3149



16.6891, 0.3179, 0.3118



12.2619, 0.4015, 0.1986

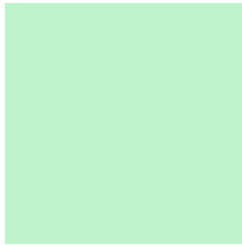


1.0946, 0.3891, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 79.4080, 0.3018, 0.3734 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 79.4080, 0.3018, 0.3734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

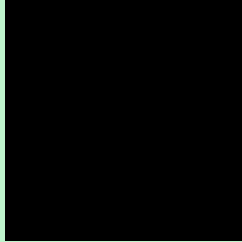
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

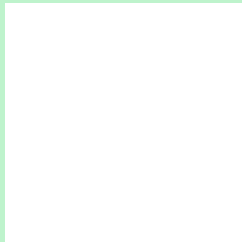
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.4080, 0.3018, 0.3734**

## Background



This preview shows how black text looks on a background with the Yxy color 79.4080, 0.3018, 0.3734.

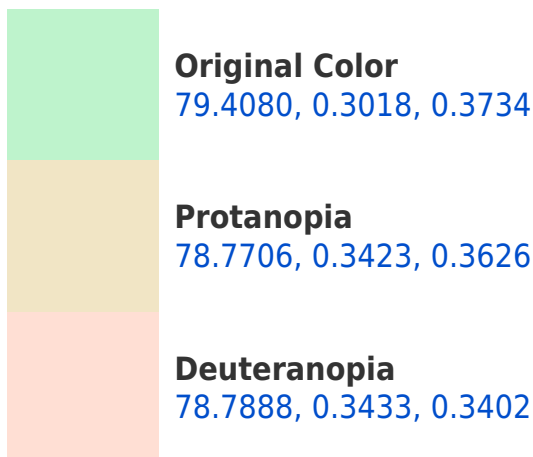


This preview shows how white text looks on a background with the Yxy color 79.4080, 0.3018, 0.3734.

# 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

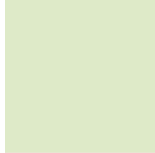
79.3530, 0.2785, 0.3086

# Trichromacy



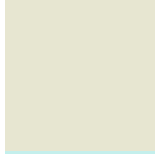
## Original Color

79.4080, 0.3018, 0.3734



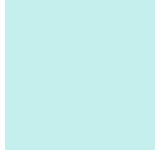
## Protanomaly

78.5454, 0.3260, 0.3660



## Deuteranomaly

78.1860, 0.3270, 0.3514



## Tritanomaly

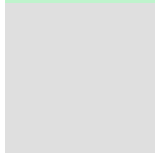
79.5249, 0.2873, 0.3322

# Monochromacy



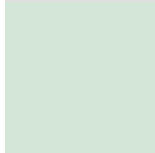
## Original Color

79.4080, 0.3018, 0.3734



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.4004, 0.3086, 0.3444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4080, 0.3018, 0.3734 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(190, 243, 204)` looks like.

```
.text, #text, p{  
    color:rgb(190, 243, 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(190, 243, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 243, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4080, 0.3018, 0.3734 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(190, 243, 204) }
```

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

```
.border{ border-color:rgb(190, 243, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 243, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 243, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 243, 204);  
box-shadow:4px 4px 4px 4px rgb(190, 243,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4080, 0.3018, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 243, 204) }
```

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

```
.background{ background-color: rgb(190,  
243, 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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