

# Converting Colors

$Yxy(79.9717, 0.3119, 0.4034)$

Have a look what the booklet for  
Yxy(79.9717, 0.3119, 0.4034)  
contains.

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# Color

**Yxy(79.7280, 0.3117, 0.4031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAF6B6
RGB	186, 246, 182
RGB Percent	73%, 96%, 71%
CMY	0.2706, 0.0353, 0.2862
CMYK	0.24, 0.00, 0.26, 0.04
HSL	116°, 78%, 84%
HSV	116°, 26%, 96%
XYZ	61.6503, 79.7280, 56.4089
YIQ	220.7640, -15.2160, -32.6240

# Conversions

## Conversions Part 2

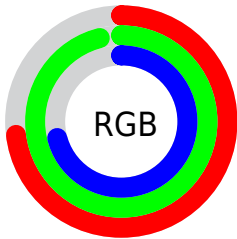
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 246, 242
Decimal	12252854
CIE <sub>Lab</sub>	91.56, -30.82, 24.82
CIE <sub>LCh</sub>	92, 39.571, 141.149
Yxy	79.7280, 0.3117, 0.4031
Android (android.graphics.Color)	4290442934 (0xFFBAF6B6)
YUV	220.7640, -19.1107, -30.4880
Hunter-Lab	89.2905, -33.0139, 25.0472

# Details

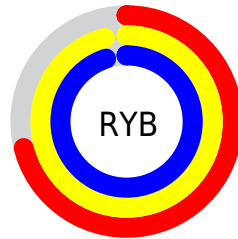
The Yxy color **79.7280, 0.3117, 0.4031** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.0041, 0.3126, 0.2635**, and the grayscale version is **72.2794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7477, 0.3150, 0.3458**, and **42.8055, 0.3099, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **76.1415, 0.3109, 0.4370**, and if you desaturate by 10%, it is **83.9666, 0.3123, 0.3720**.

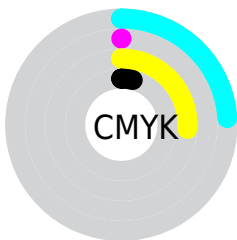
# Distribution



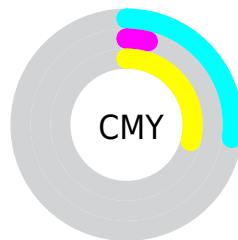
- Red (73%)
- Green (96%)
- Blue (71%)



- Red (71%)
- Yellow (96%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)




- Cyan (27%)
- Magenta (4%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7280, 0.3117, 0.4031 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 79.7280, 0.3117, 0.4031 by changing the saturation by 10% instead.





 79.7280, 0.3117,  
0.4031

 79.7280, 0.3117,  
0.4031

494.0157, 0.3130,  
0.3678

 59.4946, 0.3112,  
0.4114

 132.9832, 0.3123,  
0.3907

 43.0114, 0.3104,  
0.4217


166.7738, 0.3125,  
0.3859

 29.8940, 0.3093,  
0.4349


205.8523, 0.3127,  
0.3818

 19.7582, 0.3075,  
0.4525

250.6029, 0.3128,  
0.3783

 12.2194, 0.3044,  
0.4767

301.4102, 0.3129,  
0.3752

 6.8933, 0.2987,  
0.5122


358.6585, 0.3129,


 3.3954, 0.2868,


0.3724

0.5686


422.7322, 0.3130,  
0.3700

 1.3415, 0.2571,  
0.7429


 0.1730, 0.0000,  
1.0000

 79.7280, 0.3117,  
0.4031


 79.7280, 0.3117,  
0.4031


 76.1415, 0.3109,  
0.4370


 83.9666, 0.3123,  
0.3720

 73.1652, 0.3098,  
0.4725

 88.8765, 0.3126,  
0.3441

 70.7681, 0.3083,  
0.5077

 94.3941, 0.3131,  
0.3204

 68.9124, 0.3067,  
0.5401

■ 67.5558, 0.3048,  
0.5670

■ 66.6497, 0.3030,  
0.5862

■ 66.1358, 0.3014,  
0.5968

■ 66.0180, 0.3010,  
0.5992

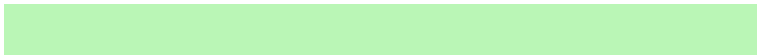
# Harmonies

## Analogous

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



79.7280, 0.3569, 0.4124



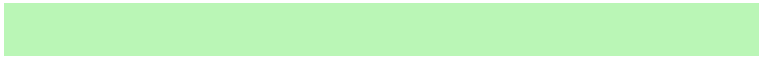
79.7280, 0.3117, 0.4031



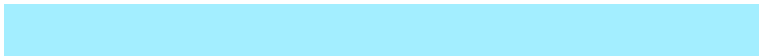
79.7280, 0.2688, 0.3684

# Triad

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



79.7280, 0.3117, 0.4031



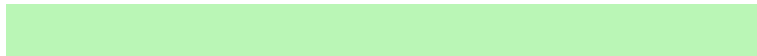
79.7280, 0.2375, 0.2600



79.7280, 0.3918, 0.3276

# Complementary

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



79.7280, 0.3117, 0.4031



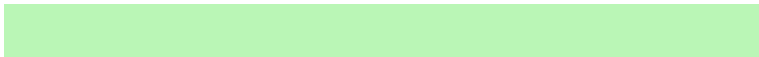
59.0041, 0.3126, 0.2635

# 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.



79.7280, 0.3552, 0.2931



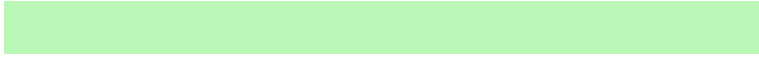
79.7280, 0.3117, 0.4031



79.7280, 0.2657, 0.2552

# Square

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



79.7280, 0.3117, 0.4031



79.7280, 0.2281, 0.2831



79.7280, 0.3083, 0.2674

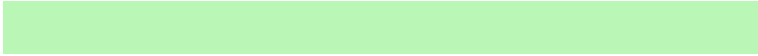


79.7280, 0.4052, 0.3646



# Rectangle

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



79.7280, 0.3117, 0.4031



79.7280, 0.2470, 0.3378



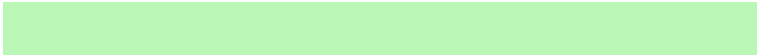
79.7280, 0.3083, 0.2674



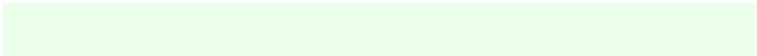
79.7280, 0.3817, 0.3155

# Sweetspot

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



79.7314, 0.3117, 0.4031



95.3050, 0.3125, 0.3494



86.3212, 0.3531, 0.3901



20.2219, 0.3125, 0.3535



0.0000, 0.0000, 0.0000

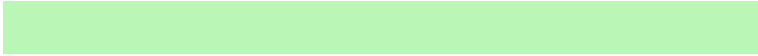


21.4041, 0.3127, 0.3290

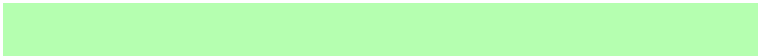


# Same Dimension

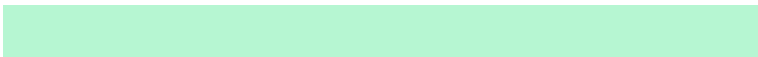
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7314, 0.3117, 0.4031



84.4590, 0.3113, 0.4199



80.5032, 0.2938, 0.3704



18.5211, 0.3125, 0.3534



35.2560, 0.3013, 0.5990



3.1156, 0.3046, 0.5963



# Inverse Universe

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



59.0041, 0.3126, 0.2635



58.5924, 0.3125, 0.2507



58.1371, 0.3376, 0.2910



16.7129, 0.3128, 0.3056



12.6189, 0.3054, 0.1456

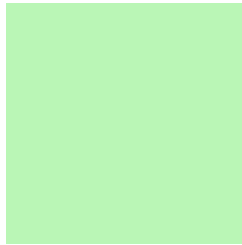


1.1247, 0.3075, 0.1467



# Previews

## White Background



This preview shows how the Yxy color 79.7280, 0.3117, 0.4031 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 79.7280, 0.3117, 0.4031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

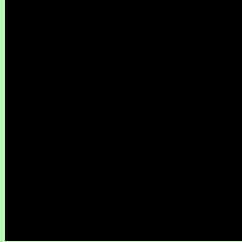
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

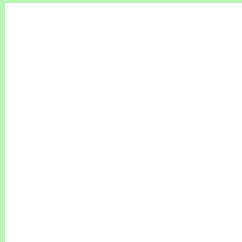
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.7280, 0.3117, 0.4031**

## Background



This preview shows how black text looks on a background with the Yxy color 79.7280, 0.3117, 0.4031.

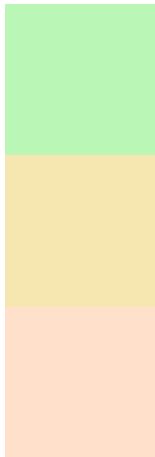


This preview shows how white text looks on a background with the Yxy color 79.7280, 0.3117, 0.4031.

# 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

79.7280, 0.3117, 0.4031

### Protanopia

79.2816, 0.3607, 0.3862

### Deuteranopia

78.8831, 0.3495, 0.3504



## Tritanopia

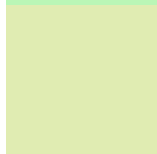
79.3530, 0.2785, 0.3086

## Trichromacy



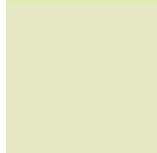
### Original Color

79.7280, 0.3117, 0.4031



### Protanomaly

79.0526, 0.3412, 0.3922



### Deuteranomaly

78.4764, 0.3352, 0.3687



### Tritanomaly

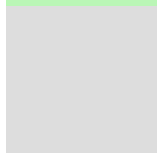
79.3909, 0.2906, 0.3422

## Monochromacy



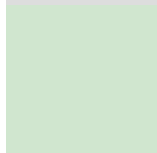
### Original Color

79.7280, 0.3117, 0.4031



### Achromatopsia

72.3055, 0.3127, 0.3290



### Achromatomaly

74.5085, 0.3122, 0.3547

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7280, 0.3117, 0.4031 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(186, 246, 182)` looks like.

```
.text, #text, p{  
    color:rgb(186, 246, 182)  
}
```

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(186, 246, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 246, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7280, 0.3117, 0.4031 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(186, 246, 182) }
```

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

```
.border{ border-color:rgb(186, 246, 182) }
```

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

Here you see how a box with a 4 pixel rgb(186, 246, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 246, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 246, 182);  
box-shadow:4px 4px 4px 4px rgb(186, 246,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7280, 0.3117, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 246, 182) }
```

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

```
.background{ background-color: rgb(186,  
246, 182) }
```

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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