

# Converting Colors

$Yxy(78.4833, 0.3112, 0.3869)$

Have a look what the booklet for  
Yxy(78.4833, 0.3112, 0.3869)  
contains.

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# **Color**

**Yxy(78.6033, 0.3113, 0.3874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1F2BF
RGB	193, 242, 191
RGB Percent	76%, 95%, 75%
CMY	0.2428, 0.0510, 0.2510
CMYK	0.20, 0.00, 0.21, 0.05
HSL	118°, 66%, 85%
HSV	118°, 21%, 95%
XYZ	63.1626, 78.6033, 61.1336
YIQ	221.5350, -12.8330, -26.2490

# Conversions

## Conversions Part 2

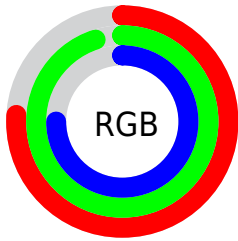
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 242, 240
Decimal	12710591
CIELab	91.05, -25.12, 19.58
CIElCh	91, 31.848, 142.058
Yxy	78.6033, 0.3113, 0.3874
Android (android.graphics.Color)	4290900671 (0xFFC1F2BF)
YUV	221.5350, -15.0538, -25.0252
Hunter-Lab	88.6585, -27.9843, 21.1781

# Details

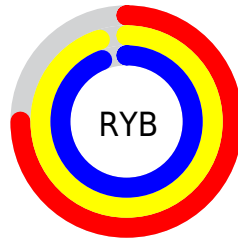
The Yxy color **78.6033, 0.3113, 0.3874** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1835, 0.3136, 0.2763**, and the grayscale version is **72.8282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5594, 0.3142, 0.3367**, and **42.4129, 0.3109, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **74.8108, 0.3103, 0.4202**, and if you desaturate by 10%, it is **83.0574, 0.3121, 0.3578**.

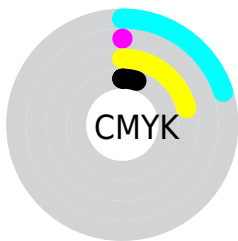
# Distribution



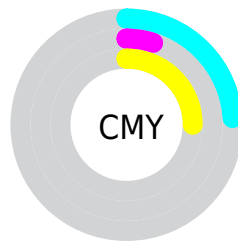
- Red (76%)
- Green (95%)
- Blue (75%)



- Red (75%)
- Yellow (95%)
- Blue (94%)



- Cyan (20%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)



- Cyan (24%)
- Magenta (5%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6033, 0.3113, 0.3874 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 78.6033, 0.3113, 0.3874 by changing the saturation by 10% instead.



 78.6033, 0.3113,  
0.3874

 78.6033, 0.3113,  
0.3874


490.2133, 0.3125,  
0.3597

 58.5697, 0.3109,  
0.3939


 131.4002, 0.3118,  
0.3777

 42.2668, 0.3103,  
0.4019


164.9324, 0.3120,  
0.3739

 29.3103, 0.3095,  
0.4123

203.7328, 0.3121,  
0.3707

 19.3157, 0.3082,  
0.4260

248.1859, 0.3122,  
0.3679

 11.8986, 0.3061,  
0.4450

298.6762, 0.3123,  
0.3655

 6.6747, 0.3023,  
0.4729

355.5879, 0.3124,

 3.2595, 0.2945,

0.3634

419.3054, 0.3124,  
0.3614

0.5176

1.2687, 0.3024,  
0.6976

0.1167, 0.0000,  
1.0000

78.6033, 0.3113,  
0.3874

78.6033, 0.3113,  
0.3874

74.8108, 0.3103,  
0.4202

83.0574, 0.3121,  
0.3578

71.6391, 0.3091,  
0.4552

88.1921, 0.3127,  
0.3316

69.0580, 0.3077,  
0.4910

91.9775, 0.3133,  
0.3165

67.0310, 0.3061,  
0.5253

■ 65.5176, 0.3044,  
0.5553

■ 64.4716, 0.3028,  
0.5785

■ 63.8386, 0.3014,  
0.5931

■ 63.5610, 0.3006,  
0.5995

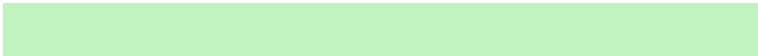
# Harmonies

## Analogous

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



78.6033, 0.3480, 0.3962



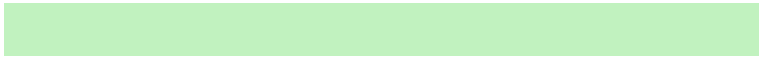
78.6033, 0.3113, 0.3874



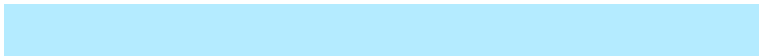
78.6033, 0.2763, 0.3595

# Triad

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



78.6033, 0.3113, 0.3874



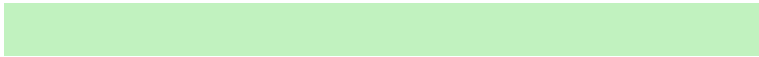
78.6033, 0.2515, 0.2724



78.6033, 0.3771, 0.3294

# Complementary

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



78.6033, 0.3113, 0.3874



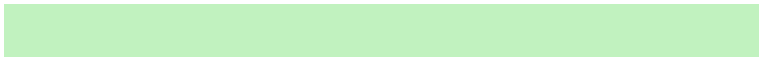
62.1835, 0.3136, 0.2763

# 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.



78.6033, 0.3483, 0.3005



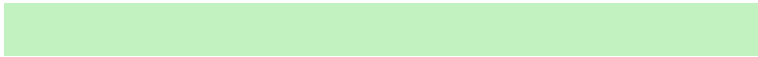
78.6033, 0.3113, 0.3874



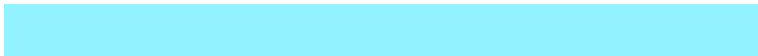
78.6033, 0.2755, 0.2684

# Square

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



78.6033, 0.3113, 0.3874



78.6033, 0.2432, 0.2915



78.6033, 0.3106, 0.2787

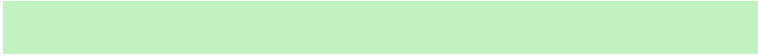


78.6033, 0.3875, 0.3599



# Rectangle

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



78.6033, 0.3113, 0.3874



78.6033, 0.2585, 0.3354



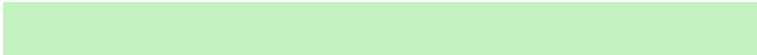
78.6033, 0.3106, 0.2787



78.6033, 0.3692, 0.3193

# Sweetspot

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



78.6066, 0.3113, 0.3874



96.3751, 0.3124, 0.3441



84.6275, 0.3450, 0.3791



20.5475, 0.3124, 0.3458



0.0000, 0.0000, 0.0000

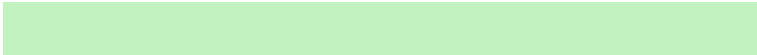


21.4041, 0.3127, 0.3290

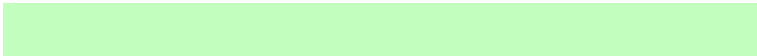


# Same Dimension

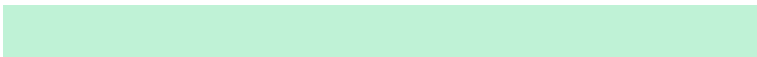
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6066, 0.3113, 0.3874



86.7410, 0.3109, 0.4002



79.4265, 0.2968, 0.3606



17.6870, 0.3122, 0.3534



34.1632, 0.3009, 0.5993



2.8528, 0.3032, 0.5975



# Inverse Universe

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



62.1835, 0.3136, 0.2763



65.3624, 0.3137, 0.2662



61.2550, 0.3326, 0.2994



15.9967, 0.3132, 0.3057



12.6898, 0.3108, 0.1486



1.0658, 0.3122, 0.1493



# Previews

## White Background



This preview shows how the Yxy color 78.6033, 0.3113, 0.3874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

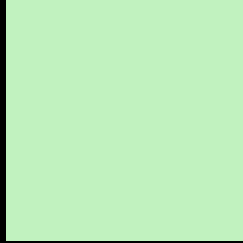
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6033, 0.3113, 0.3874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

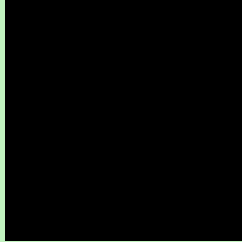
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

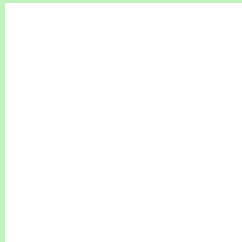
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.6033, 0.3113, 0.3874**

## Background



This preview shows how black text looks on a background with the Yxy color 78.6033, 0.3113, 0.3874.

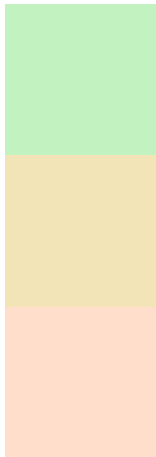


This preview shows how white text looks on a background with the Yxy color 78.6033, 0.3113, 0.3874.

# 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

78.6033, 0.3113, 0.3874

### Protanopia

78.0022, 0.3529, 0.3752

### Deuteranopia

77.8622, 0.3491, 0.3474



## Tritanopia

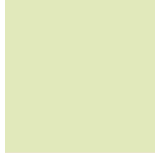
78.5704, 0.2823, 0.3097

# Trichromacy



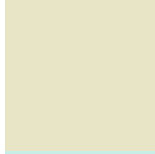
## Original Color

78.6033, 0.3113, 0.3874



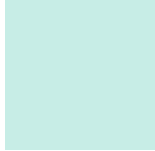
## Protanomaly

77.8732, 0.3367, 0.3791



## Deuteranomaly

77.3179, 0.3344, 0.3611



## Tritanomaly

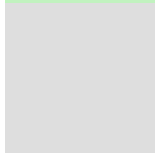
78.4237, 0.2924, 0.3366

# Monochromacy



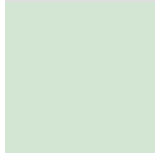
## Original Color

78.6033, 0.3113, 0.3874



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.5907, 0.3118, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6033, 0.3113, 0.3874 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(193, 242, 191)` looks like.

```
.text, #text, p{  
    color:rgb(193, 242, 191)  
}
```

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(193, 242, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 242, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6033, 0.3113, 0.3874 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(193, 242, 191) }
```

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

```
.border{ border-color:rgb(193, 242, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 242, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 242, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 242, 191);  
box-shadow:4px 4px 4px 4px rgb(193, 242,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6033, 0.3113, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 242, 191) }
```

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

```
.background{ background-color: rgb(193,  
242, 191) }
```

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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