

# Converting Colors

$Yxy(79.2586, 0.3066, 0.3772)$

Have a look what the booklet for  
Yxy(79.2586, 0.3066, 0.3772)  
contains.

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# Color

**Yxy(79.1437, 0.3067, 0.3767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F2C8
RGB	194, 242, 200
RGB Percent	76%, 95%, 78%
CMY	0.2390, 0.0510, 0.2157
CMYK	0.20, 0.00, 0.17, 0.05
HSL	127°, 65%, 86%
HSV	127°, 20%, 95%
XYZ	64.4369, 79.1437, 66.5168
YIQ	222.8600, -15.1260, -23.2380

# Conversions

## Conversions Part 2

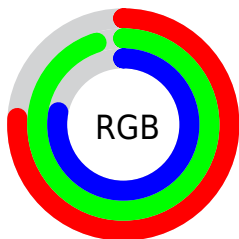
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 237, 242
Decimal	12776136
CIELab	91.30, -23.26, 15.30
CIELCh	91, 27.836, 146.666
Yxy	79.1437, 0.3067, 0.3767
Android (android.graphics.Color)	4290966216 (0xFFC2F2C8)
YUV	222.8600, -11.2700, -25.3102
Hunter-Lab	88.9627, -26.3949, 17.9432

# Details

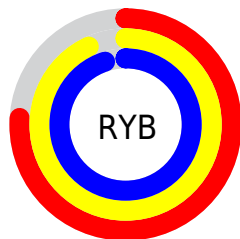
The Yxy color **79.1437, 0.3067, 0.3767** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5488, 0.3194, 0.2856**, and the grayscale version is **73.7865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **42.7686, 0.3051, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **75.2764, 0.3037, 0.4052**, and if you desaturate by 10%, it is **83.6767, 0.3098, 0.3511**.

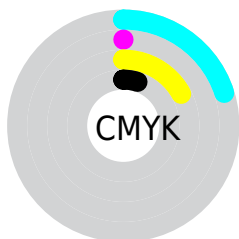
# Distribution



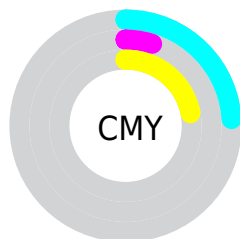
- Red (76%)
- Green (95%)
- Blue (78%)



- Red (76%)
- Yellow (93%)
- Blue (95%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)




- Cyan (24%)
- Magenta (5%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1437, 0.3067, 0.3767 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 79.1437, 0.3067, 0.3767 by changing the saturation by 10% instead.




 79.1437, 0.3067,  
0.3767

 79.1437, 0.3067,  
0.3767


492.0423, 0.3098,  
0.3542

 59.0140, 0.3059,  
0.3819

 132.1611, 0.3078,  
0.3688

 42.6244, 0.3049,  
0.3884


165.8176, 0.3083,  
0.3658

 29.5905, 0.3035,  
0.3968

204.7518, 0.3086,  
0.3632

 19.5280, 0.3017,  
0.4078

249.3482, 0.3089,  
0.3609

 12.0524, 0.2989,  
0.4231

299.9910, 0.3092,  
0.3589

 6.7794, 0.2944,  
0.4455

357.0647, 0.3094,

 3.3245, 0.2864,

0.3572

0.4815

420.9537, 0.3096,  
0.3556

■ 1.3034, 0.2802,  
0.5879

■ 0.1438, 0.0000,  
1.0000

■ 79.1437, 0.3067,  
0.3767

■ 79.1437, 0.3067,  
0.3767

■ 75.2764, 0.3037,  
0.4052

■ 83.6767, 0.3098,  
0.3511

■ 72.0339, 0.3008,  
0.4362

■ 88.8940, 0.3128,  
0.3286

■ 69.3862, 0.2983,  
0.4687

■ 91.9793, 0.3133,  
0.3165

■ 67.2970, 0.2965,  
0.5012

■ 65.7258, 0.2955,  
0.5318

■ 64.6267, 0.2955,  
0.5583

■ 63.9456, 0.2964,  
0.5786

■ 63.5977, 0.2978,  
0.5920

■ 63.5926, 0.2978,  
0.5922

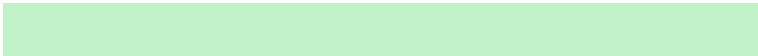
# Harmonies

## Analogous

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



79.1437, 0.3391, 0.3874



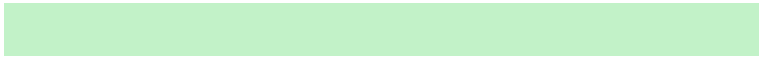
79.1437, 0.3067, 0.3767



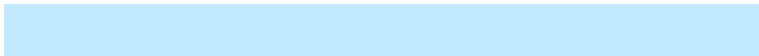
79.1437, 0.2769, 0.3509

# Triad

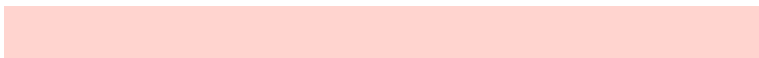
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.1437, 0.3067, 0.3767



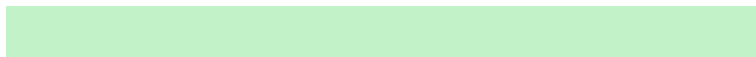
79.1437, 0.2614, 0.2780



79.1437, 0.3714, 0.3339

# Complementary

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



79.1437, 0.3067, 0.3767



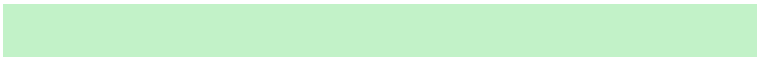
63.5488, 0.3194, 0.2856

# 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.



79.1437, 0.3484, 0.3077



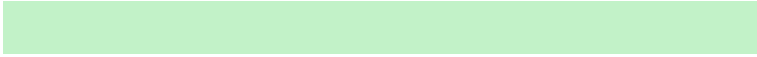
79.1437, 0.3067, 0.3767



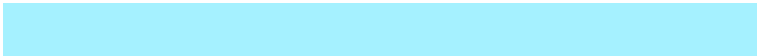
79.1437, 0.2845, 0.2763

# Square

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



79.1437, 0.3067, 0.3767



79.1437, 0.2518, 0.2930



79.1437, 0.3162, 0.2871

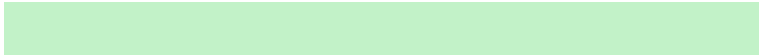


79.1437, 0.3776, 0.3603



# Rectangle

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



79.1437, 0.3067, 0.3767



79.1437, 0.2624, 0.3299



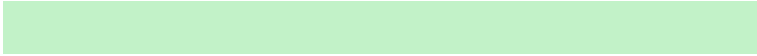
79.1437, 0.3162, 0.2871



79.1437, 0.3653, 0.3248

# Sweetspot

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



79.1471, 0.3067, 0.3767



96.3791, 0.3109, 0.3422



85.2987, 0.3387, 0.3790



20.5484, 0.3107, 0.3438



0.0000, 0.0000, 0.0000

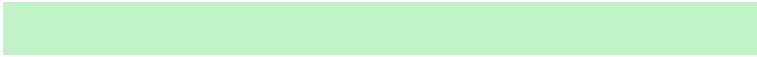


21.4041, 0.3127, 0.3290

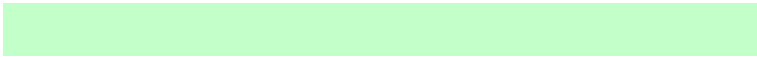


# Same Dimension

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



79.1471, 0.3067, 0.3767



87.1972, 0.3054, 0.3885



80.3386, 0.2932, 0.3494



17.6882, 0.3099, 0.3503



34.1757, 0.2974, 0.5906



2.8532, 0.2924, 0.5726



# Inverse Universe

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



63.5488, 0.3194, 0.2856



66.4969, 0.3210, 0.2760



62.2644, 0.3374, 0.3096



15.9958, 0.3157, 0.3086



12.7108, 0.3548, 0.1728

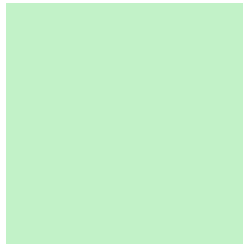


1.0668, 0.3497, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 79.1437, 0.3067, 0.3767 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 79.1437, 0.3067, 0.3767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

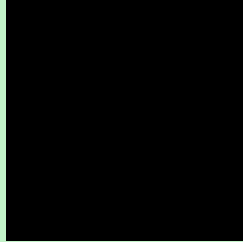
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

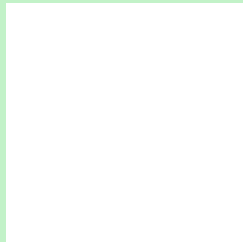
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1437, 0.3067, 0.3767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1437, 0.3067, 0.3767.

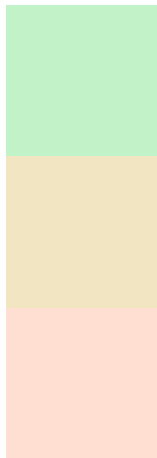


This preview shows how white text looks on a background with the Yxy color 79.1437, 0.3067, 0.3767.

# 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

79.1437, 0.3067, 0.3767

### Protanopia

78.7661, 0.3458, 0.3667

### Deuteranopia

78.6885, 0.3447, 0.3422



## Tritanopia

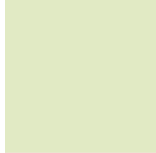
79.2050, 0.2819, 0.3098

# Trichromacy



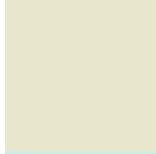
## Original Color

79.1437, 0.3067, 0.3767



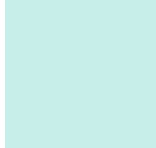
## Protanomaly

78.8387, 0.3307, 0.3701



## Deuteranomaly

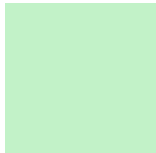
78.3735, 0.3304, 0.3545



## Tritanomaly

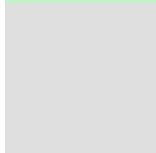
79.3689, 0.2908, 0.3333

# Monochromacy



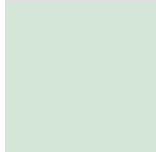
## Original Color

79.1437, 0.3067, 0.3767



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.4970, 0.3099, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1437, 0.3067, 0.3767 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(194, 242, 200)` looks like.

```
.text, #text, p{  
    color:rgb(194, 242, 200)  
}
```

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(194, 242, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 242, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1437, 0.3067, 0.3767 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(194, 242, 200) }
```

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

```
.border{ border-color:rgb(194, 242, 200) }
```

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

Here you see how a box with a 4 pixel rgb(194, 242, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 242, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 242, 200);  
box-shadow:4px 4px 4px 4px rgb(194, 242,  
200) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 79.1437, 0.3067, 0.3767$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 242, 200) }
```

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

```
.background{ background-color: rgb(194,  
242, 200) }
```

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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