

# Converting Colors

$Yxy(78.6240, 0.3103, 0.3876)$

Have a look what the booklet for  
Yxy(78.6240, 0.3103, 0.3876)  
contains.

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# Color

**Yxy(78.4723, 0.3106, 0.3875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F2BF
RGB	192, 242, 191
RGB Percent	75%, 95%, 75%
CMY	0.2470, 0.0510, 0.2509
CMYK	0.21, 0.00, 0.21, 0.05
HSL	119°, 66%, 85%
HSV	119°, 21%, 95%
XYZ	62.8993, 78.4723, 61.1375
YIQ	221.2360, -13.4290, -26.4610

# Conversions

## Conversions Part 2

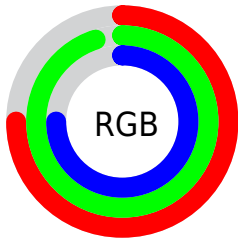
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 242, 241
Decimal	12645055
CIELab	90.99, -25.47, 19.48
CIElCh	91, 32.060, 142.593
Yxy	78.4723, 0.3106, 0.3875
Android (android.graphics.Color)	4290835135 (0xFFC0F2BF)
YUV	221.2360, -14.9063, -25.6400
Hunter-Lab	88.5846, -28.2794, 21.0896

# Details

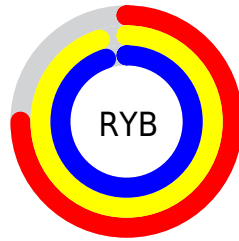
The Yxy color **78.4723, 0.3106, 0.3875** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3885, 0.3144, 0.2765**, and the grayscale version is **72.5996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3751, 0.3136, 0.3367**, and **42.3272, 0.3100, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **74.6440, 0.3093, 0.4204**, and if you desaturate by 10%, it is **82.9829, 0.3117, 0.3578**.

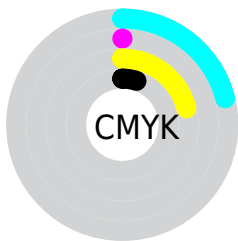
# Distribution



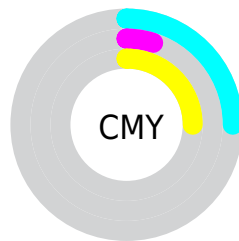
- Red (75%)
- Green (95%)
- Blue (75%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4723, 0.3106, 0.3875 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 78.4723, 0.3106, 0.3875 by changing the saturation by 10% instead.





 78.4723, 0.3106,  
0.3875

 78.4723, 0.3106,  
0.3875


489.7693, 0.3121,  
0.3598

 58.4620, 0.3101,  
0.3940


 131.2157, 0.3112,  
0.3778

 42.1802, 0.3095,  
0.4021

164.7176, 0.3114,  
0.3740

 29.2424, 0.3085,  
0.4125


203.4856, 0.3116,  
0.3708

 19.2643, 0.3071,  
0.4262

247.9039, 0.3117,  
0.3680

 11.8614, 0.3048,  
0.4453

298.3571, 0.3119,  
0.3656

 6.6494, 0.3007,  
0.4734


355.2295, 0.3120,


 3.2438, 0.2924,

0.3634

0.5184


418.9054, 0.3120,  
0.3615


 1.2603, 0.2981,  
0.7019


 0.1102, 0.0000,  
1.0000


 78.4723, 0.3106,  
0.3875


 78.4723, 0.3106,  
0.3875


 74.6440, 0.3093,  
0.4204


 82.9829, 0.3117,  
0.3578

 71.4553, 0.3079,  
0.4556

 88.1959, 0.3126,  
0.3316

 68.8744, 0.3063,  
0.4917

 91.9843, 0.3133,  
0.3165

 66.8628, 0.3047,  
0.5261

■ 65.3773, 0.3031,  
0.5562

■ 64.3688, 0.3018,  
0.5792

■ 63.7790, 0.3008,  
0.5936

■ 63.5345, 0.3003,  
0.5998

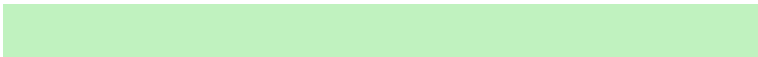
# Harmonies

## Analogous

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



78.4723, 0.3477, 0.3967



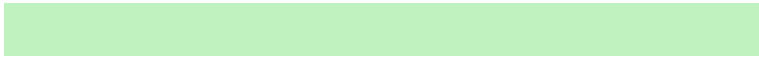
78.4723, 0.3106, 0.3875



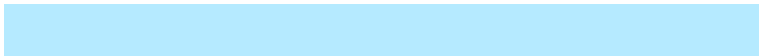
78.4723, 0.2755, 0.3591

# Triad

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



78.4723, 0.3106, 0.3875



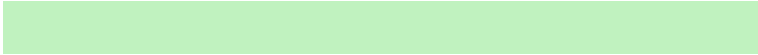
78.4723, 0.2514, 0.2718



78.4723, 0.3780, 0.3300

# Complementary

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



78.4723, 0.3106, 0.3875



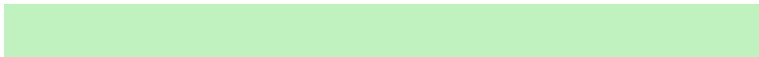
62.3885, 0.3144, 0.2765

# 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.



78.4723, 0.3492, 0.3008



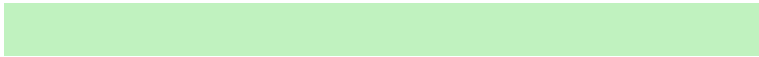
78.4723, 0.3106, 0.3875



78.4723, 0.2758, 0.2681

# Square

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



78.4723, 0.3106, 0.3875



78.4723, 0.2428, 0.2907



78.4723, 0.3112, 0.2787

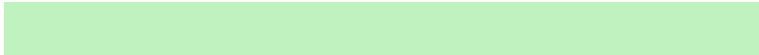


78.4723, 0.3880, 0.3606



# Rectangle

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



78.4723, 0.3106, 0.3875



78.4723, 0.2577, 0.3348



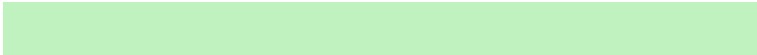
78.4723, 0.3112, 0.2787



78.4723, 0.3701, 0.3198

# Sweetspot

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



78.4756, 0.3106, 0.3875



96.3180, 0.3122, 0.3441



85.1377, 0.3449, 0.3799



20.5340, 0.3121, 0.3459



0.0000, 0.0000, 0.0000

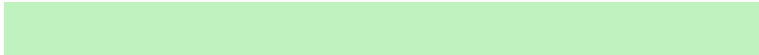


21.4041, 0.3127, 0.3290

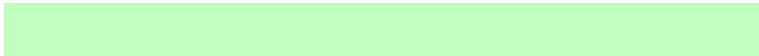


# Same Dimension

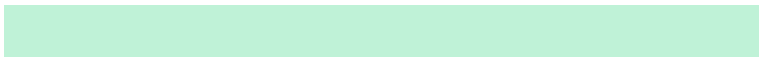
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4756, 0.3106, 0.3875



86.5622, 0.3101, 0.4003



79.4813, 0.2963, 0.3596



17.6709, 0.3119, 0.3534



34.1379, 0.3004, 0.5997



2.8451, 0.3015, 0.5988



# Inverse Universe

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



62.3885, 0.3144, 0.2765



65.6177, 0.3147, 0.2664



61.2248, 0.3332, 0.3003



16.0149, 0.3135, 0.3057



13.1531, 0.3161, 0.1515

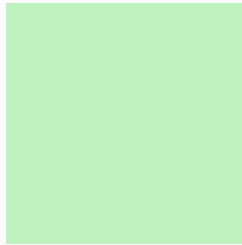


1.0992, 0.3168, 0.1519



# Previews

## White Background



This preview shows how the Yxy color 78.4723, 0.3106, 0.3875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

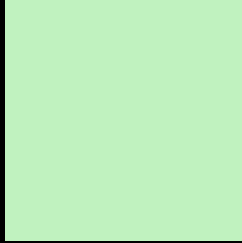
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4723, 0.3106, 0.3875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

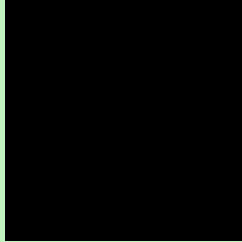
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

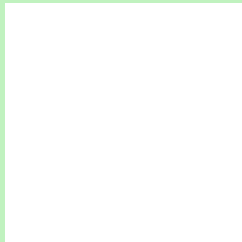
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.4723, 0.3106, 0.3875**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4723, 0.3106, 0.3875.

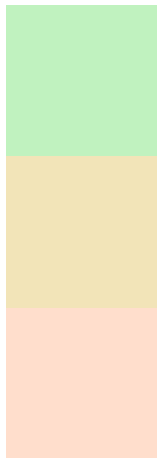


This preview shows how white text looks on a background with the Yxy color 78.4723, 0.3106, 0.3875.

# 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

78.4723, 0.3106, 0.3875

### Protanopia

77.8247, 0.3521, 0.3753

### Deuteranopia

77.8622, 0.3491, 0.3474



## Tritanopia

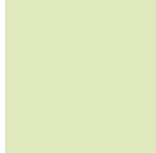
78.4305, 0.2817, 0.3097

# Trichromacy



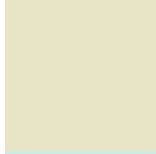
## Original Color

78.4723, 0.3106, 0.3875



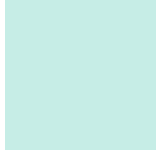
## Protanomaly

77.7130, 0.3359, 0.3792



## Deuteranomaly

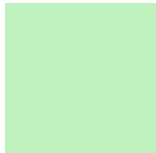
77.3179, 0.3344, 0.3611



## Tritanomaly

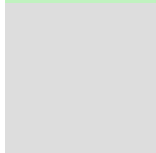
78.2873, 0.2918, 0.3367

# Monochromacy



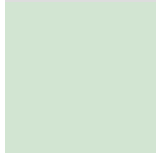
## Original Color

78.4723, 0.3106, 0.3875



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

74.3934, 0.3117, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4723, 0.3106, 0.3875 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(192, 242, 191)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 242, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 242, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4723, 0.3106, 0.3875 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(192, 242, 191) }
```

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

```
.border{ border-color:rgb(192, 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(192, 242, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 242, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 242, 191);  
box-shadow:4px 4px 4px 4px rgb(192, 242,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4723, 0.3106, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 242, 191) }
```

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

```
.background{ background-color: rgb(192,  
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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