

# Converting Colors

$Yxy(77.1538, 0.3184, 0.4132)$

Have a look what the booklet for  
Yxy(77.1538, 0.3184, 0.4132)  
contains.

<b>Yxy(76.8836, 0.3183, 0.4123)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.8836, 0.3183, 0.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAF2AB
RGB	186, 242, 171
RGB Percent	73%, 95%, 67%
CMY	0.2705, 0.0510, 0.3294
CMYK	0.23, 0.00, 0.29, 0.05
HSL	107°, 73%, 81%
HSV	107°, 29%, 95%
XYZ	59.3550, 76.8836, 50.2363
YIQ	217.1620, -10.5850, -33.9530

# Conversions

## Conversions Part 2

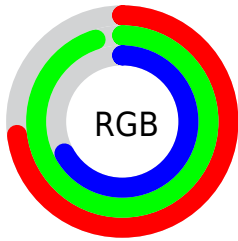
Format	Color
<a href="#">RYB</a>	<a href="#">171, 242, 227</a>
Decimal	<a href="#">12251819</a>
CIELab	<a href="#">90.27, -30.68, 28.68</a>
CIELCh	<a href="#">90, 41.993, 136.929</a>
Yxy	<a href="#">76.8836, 0.3183, 0.4123</a>
Android (android.graphics.Color)	<a href="#">4290441899 (0xFFBAF2AB)</a>
YUV	<a href="#">217.1620, -22.7579, -27.3291</a>
Hunter-Lab	<a href="#">87.6833, -32.6148, 27.4093</a>

# Details

The Yxy color **76.8836, 0.3183, 0.4123** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.8627, 0.3039, 0.2532**, and the grayscale version is **69.6729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1207, 0.3214, 0.3568**, and **41.2511, 0.3179, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **73.8143, 0.3194, 0.4454**, and if you desaturate by 10%, it is **80.4476, 0.3167, 0.3812**.

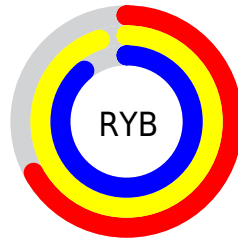
# Distribution



Red (73%)

Green (95%)

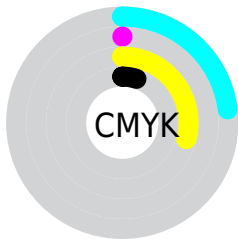
Blue (67%)



Red (67%)

Yellow (95%)

Blue (89%)

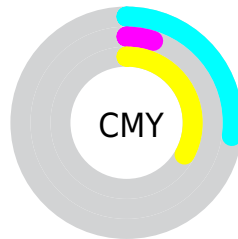


Cyan (23%)

Magenta (0%)

Yellow (29%)

Black (5%)



Cyan (27%)

Magenta (5%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8836, 0.3183, 0.4123 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 76.8836, 0.3183, 0.4123 by changing the saturation by 10% instead.




 76.8836, 0.3183,  
0.4123

 76.8836, 0.3183,  
0.4123


484.3671, 0.3168,  
0.3724

 57.1573, 0.3183,  
0.4217


 128.9752, 0.3180,  
0.3982

 41.1316, 0.3182,  
0.4335


162.1093, 0.3178,  
0.3928

 28.4219, 0.3178,  
0.4486


200.4814, 0.3176,  
0.3881

 18.6439, 0.3168,  
0.4687

244.4760, 0.3175,  
0.3841

 11.4133, 0.3145,  
0.4965

294.4775, 0.3173,  
0.3806

 6.3455, 0.3093,  
0.5371


350.8703, 0.3171,


 3.0563, 0.3015,


0.3775


0.6109


414.0386, 0.3169,  
0.3748


 1.1612, 0.2221,  
0.7779

 0.0297, 0.0000,  
1.0000


 76.8836, 0.3183,  
0.4123


 76.8836, 0.3183,  
0.4123


 73.8143, 0.3194,  
0.4454


 80.4476, 0.3167,  
0.3812


 71.2080, 0.3197,  
0.4794

 84.5167, 0.3147,  
0.3528

 69.0444, 0.3191,  
0.5124

 89.1134, 0.3126,  
0.3274

 67.2980, 0.3174,  
0.5422

 91.9855, 0.3133,  
0.3165

■ 65.9404, 0.3146,  
0.5667

■ 64.9391, 0.3109,  
0.5840

■ 64.2512, 0.3070,  
0.5941

■ 64.2144, 0.3068,  
0.5946

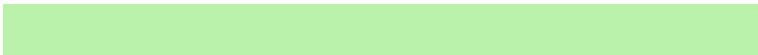
# Harmonies

## Analogous

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



76.8836, 0.3660, 0.4176



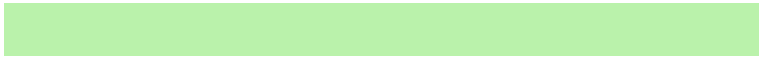
76.8836, 0.3183, 0.4123



76.8836, 0.2713, 0.3779

# Triad

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



76.8836, 0.3183, 0.4123



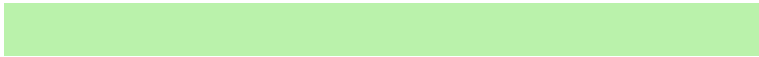
76.8836, 0.2297, 0.2574



76.8836, 0.3935, 0.3217

# Complementary

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



76.8836, 0.3183, 0.4123



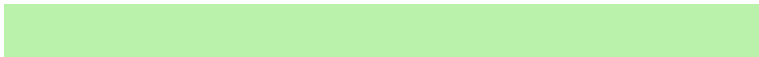
51.8627, 0.3039, 0.2532

# 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.



76.8836, 0.3514, 0.2861



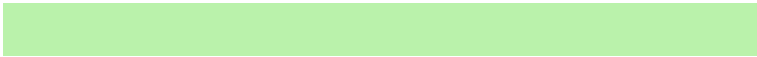
76.8836, 0.3183, 0.4123



76.8836, 0.2570, 0.2499

# Square

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



76.8836, 0.3183, 0.4123



76.8836, 0.2227, 0.2845



76.8836, 0.3007, 0.2605

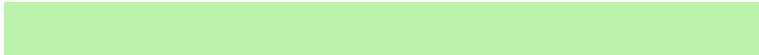


76.8836, 0.4119, 0.3612



# Rectangle

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



76.8836, 0.3183, 0.4123



76.8836, 0.2465, 0.3454



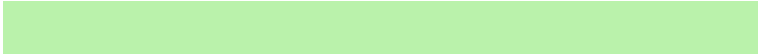
76.8836, 0.3007, 0.2605



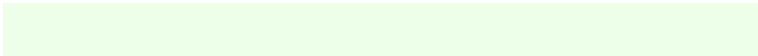
76.8836, 0.3815, 0.3091

# Sweetspot

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



76.8869, 0.3183, 0.4123



95.3373, 0.3147, 0.3520



76.5468, 0.3613, 0.3877



20.2546, 0.3150, 0.3559



0.0000, 0.0000, 0.0000

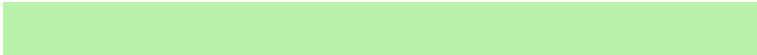


21.4041, 0.3127, 0.3290

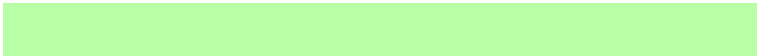


# Same Dimension

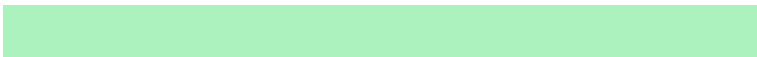
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8869, 0.3183, 0.4123



84.5325, 0.3190, 0.4312



75.9295, 0.2975, 0.3897



17.8175, 0.3147, 0.3532



34.5433, 0.3076, 0.5940



2.9153, 0.3160, 0.5873



# Inverse Universe

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



51.8627, 0.3039, 0.2532



52.2548, 0.3016, 0.2378



53.2694, 0.3325, 0.2752



15.8528, 0.3104, 0.3055



9.4417, 0.2679, 0.1249

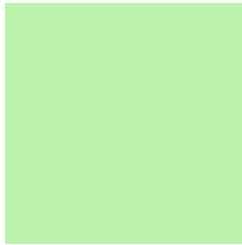


0.8271, 0.2752, 0.1290



# Previews

## White Background



This preview shows how the Yxy color 76.8836, 0.3183, 0.4123 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 76.8836, 0.3183, 0.4123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

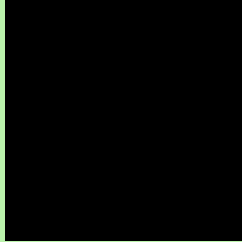
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

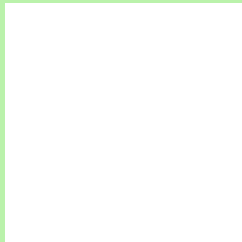
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.8836, 0.3183, 0.4123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8836, 0.3183, 0.4123.

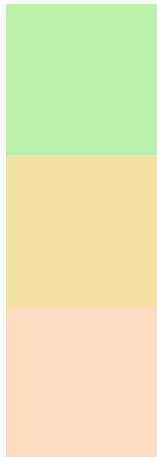


This preview shows how white text looks on a background with the Yxy color 76.8836, 0.3183, 0.4123.

# 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

76.8836, 0.3183, 0.4123

### Protanopia

76.1277, 0.3670, 0.3943

### Deuteranopia

76.2522, 0.3582, 0.3577



## Tritanopia

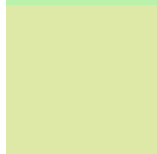
76.7575, 0.2809, 0.3095

# Trichromacy



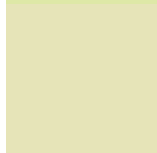
## Original Color

76.8836, 0.3183, 0.4123



## Protanomaly

76.0328, 0.3476, 0.4007



## Deuteranomaly

75.7705, 0.3432, 0.3767



## Tritanomaly

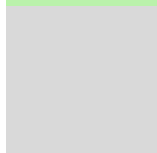
76.6807, 0.2945, 0.3458

# Monochromacy



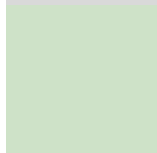
## Original Color

76.8836, 0.3183, 0.4123



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.6847, 0.3155, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8836, 0.3183, 0.4123 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, 242, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 242, 171)  
}
```

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, 242, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 242, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8836, 0.3183, 0.4123 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, 242, 171) }
```

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

```
.border{ border-color:rgb(186, 242, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 242, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 242, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 242, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 242,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8836, 0.3183, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 242, 171) }
```

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

```
.background{ background-color: rgb(186,  
242, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor