

# Converting Colors

$Yxy(76.4050, 0.2944, 0.3747)$

Have a look what the booklet for  
Yxy(76.4050, 0.2944, 0.3747)  
contains.

<b>Yxy(76.4050, 0.2944, 0.3747)</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(76.4050, 0.2944, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0F1CA
RGB	176, 241, 202
RGB Percent	69%, 95%, 79%
CMY	0.3096, 0.0549, 0.2078
CMYK	0.27, 0.00, 0.16, 0.05
HSL	144°, 70%, 82%
HSV	144°, 27%, 95%
XYZ	60.0310, 76.4050, 67.4738
YIQ	217.1190, -26.2210, -25.9090

# Conversions

## Conversions Part 2

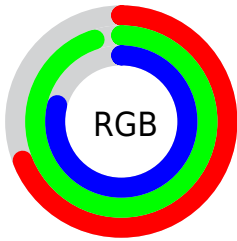
Format	Color
<a href="#">RYB</a>	<a href="#">176, 222, 241</a>
Decimal	<a href="#">11596234</a>
CIELab	<a href="#">90.05, -28.11, 12.33</a>
CIElCh	<a href="#">90, 30.692, 156.318</a>
Yxy	<a href="#">76.4050, 0.2944, 0.3747</a>
Android (android.graphics.Color)	<a href="#">4289786314</a> ( <a href="#">0xFFB0F1CA</a> )
YUV	<a href="#">217.1190, -7.4537, -36.0614</a>
Hunter-Lab	<a href="#">87.4100, -30.3779, 15.4197</a>

# Details

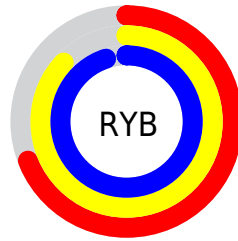
The Yxy color **76.4050, 0.2944, 0.3747** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.6785, 0.3368, 0.2874**, and the grayscale version is **69.5490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **40.9736, 0.2898, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **73.1894, 0.2884, 0.3951**, and if you desaturate by 10%, it is **80.1899, 0.3010, 0.3561**.

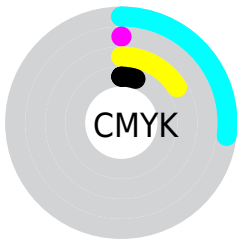
# Distribution



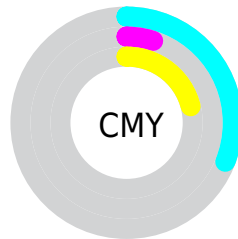
- Red (69%)
- Green (95%)
- Blue (79%)



- Red (69%)
- Yellow (87%)
- Blue (95%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)




- Cyan (31%)
- Magenta (5%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4050, 0.2944, 0.3747 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 76.4050, 0.2944, 0.3747 by changing the saturation by 10% instead.




 76.4050, 0.2944,  
0.3747

 76.4050, 0.2944,  
0.3747

482.7330, 0.3032,  
0.3530

 56.7647, 0.2923,  
0.3798


 128.2992, 0.2975,  
0.3671

 40.8163, 0.2897,  
0.3861


161.3219, 0.2987,  
0.3641

 28.1756, 0.2864,  
0.3943


199.5742, 0.2997,  
0.3616

 18.4581, 0.2819,  
0.4052

243.4404, 0.3006,  
0.3594

 11.2794, 0.2757,  
0.4204

293.3050, 0.3013,  
0.3575

 6.2551, 0.2663,  
0.4430


349.5524, 0.3020,


 3.0008, 0.2507,


0.3558

0.4800


412.5669, 0.3026,  
0.3544


 1.1321, 0.2003,  
0.6112

 0.0052, 0.0000,  
1.0000


 76.4050, 0.2944,  
0.3747


 76.4050, 0.2944,  
0.3747


 73.1894, 0.2884,  
0.3951


 80.1899, 0.3010,  
0.3561


 70.5054, 0.2832,  
0.4170

 84.5606, 0.3079,  
0.3395

 68.3256, 0.2793,  
0.4402

 89.5448, 0.3148,  
0.3247

 66.6161, 0.2770,  
0.4639

 91.3865, 0.3133,  
0.3156

■ 65.3386, 0.2765,  
0.4873

■ 64.4486, 0.2779,  
0.5096

■ 63.8895, 0.2810,  
0.5299

■ 63.7580, 0.2821,  
0.5356

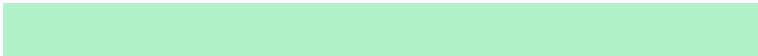
# Harmonies

## Analogous

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



76.4050, 0.3306, 0.3928



76.4050, 0.2944, 0.3747



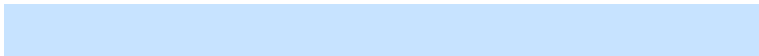
76.4050, 0.2643, 0.3421

# Triad

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



76.4050, 0.2944, 0.3747



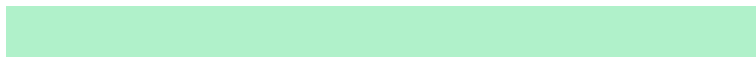
76.4050, 0.2625, 0.2702



76.4050, 0.3827, 0.3438

# Complementary

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



76.4050, 0.2944, 0.3747



54.6785, 0.3368, 0.2874

# 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.



76.4050, 0.3624, 0.3141



76.4050, 0.2944, 0.3747



76.4050, 0.2918, 0.2731

# Square

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



76.4050, 0.2944, 0.3747



76.4050, 0.2468, 0.2819



76.4050, 0.3285, 0.2889

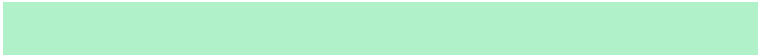


76.4050, 0.3828, 0.3718



# Rectangle

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



76.4050, 0.2944, 0.3747



76.4050, 0.2513, 0.3185



76.4050, 0.3285, 0.2889



76.4050, 0.3780, 0.3338

# Sweetspot

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



76.4082, 0.2944, 0.3747



95.5706, 0.3071, 0.3412



80.6573, 0.3359, 0.4005



20.2885, 0.3061, 0.3436



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

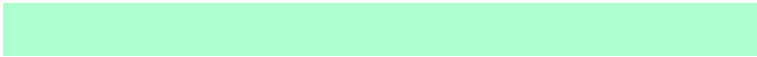


# Same Dimension

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



76.4082, 0.2944, 0.3747



84.9077, 0.2912, 0.3850



78.0499, 0.2773, 0.3375



17.7611, 0.3061, 0.3435



34.6017, 0.2813, 0.5326



2.8977, 0.2740, 0.5063



# Inverse Universe

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



54.6785, 0.3368, 0.2874



56.5945, 0.3428, 0.2792



53.2162, 0.3643, 0.3208



15.9181, 0.3199, 0.3149



11.2707, 0.4539, 0.2274

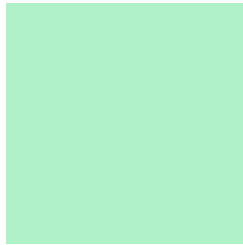


0.9572, 0.4316, 0.2151



# Previews

## White Background



This preview shows how the Yxy color 76.4050, 0.2944, 0.3747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

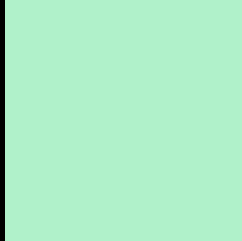
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4050, 0.2944, 0.3747 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

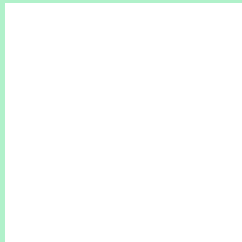
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4050, 0.2944, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4050, 0.2944, 0.3747.

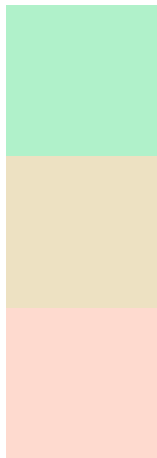


This preview shows how white text looks on a background with the Yxy color 76.4050, 0.2944, 0.3747.

# 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

76.4050, 0.2944, 0.3747

### Protanopia

75.7500, 0.3422, 0.3621

### Deuteranopia

75.7186, 0.3470, 0.3403



## Tritanopia

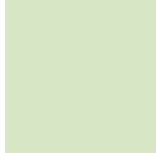
76.3766, 0.2719, 0.3081

# Trichromacy



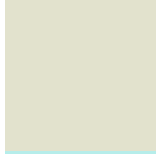
## Original Color

76.4050, 0.2944, 0.3747



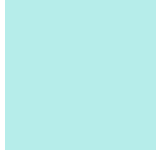
## Protanomaly

75.6301, 0.3233, 0.3668



## Deuteranomaly

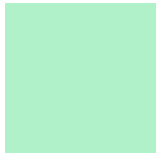
74.9692, 0.3265, 0.3518



## Tritanomaly

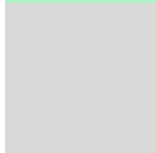
76.4540, 0.2800, 0.3323

# Monochromacy



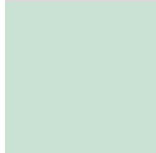
## Original Color

76.4050, 0.2944, 0.3747



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.7027, 0.3051, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4050, 0.2944, 0.3747 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(176, 241, 202)` looks like.

```
.text, #text, p{  
    color:rgb(176, 241, 202)  
}
```

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(176, 241, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 241, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4050, 0.2944, 0.3747 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(176, 241, 202) }
```

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

```
.border{ border-color:rgb(176, 241, 202) }
```

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

Here you see how a box with a 4 pixel rgb(176, 241, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 241, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 241, 202);  
box-shadow:4px 4px 4px 4px rgb(176, 241,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4050, 0.2944, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 241, 202) }
```

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

```
.background{ background-color: rgb(176,  
241, 202) }
```

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