

# Converting Colors

$Yxy(77.3354, 0.3064, 0.4152)$

Have a look what the booklet for  
Yxy(77.3354, 0.3064, 0.4152)  
contains.

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# Color

**Yxy(77.5136, 0.3063, 0.4152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF6AE
RGB	170, 246, 174
RGB Percent	67%, 96%, 68%
CMY	0.3331, 0.0353, 0.3176
CMYK	0.31, 0.00, 0.29, 0.04
HSL	123°, 81%, 82%
HSV	123°, 31%, 96%
XYZ	57.1831, 77.5136, 51.9931
YIQ	215.0680, -22.1840, -38.5040

# Conversions

## Conversions Part 2

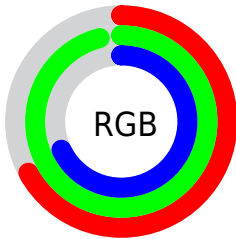
Format	Color
<a href="#">RYB</a>	<a href="#">170, 242, 246</a>
Decimal	<a href="#">11204270</a>
CIELab	<a href="#">90.56, -37.20, 27.40</a>
CIELCh	<a href="#">91, 46.201, 143.631</a>
Yxy	<a href="#">77.5136, 0.3063, 0.4152</a>
Android (android.graphics.Color)	<a href="#">4289394350</a> ( <a href="#">0xFFAAF6AE</a> )
YUV	<a href="#">215.0680, -20.2465, -39.5246</a>
Hunter-Lab	<a href="#">88.0418, -38.1376, 26.6155</a>

# Details

The Yxy color **77.5136, 0.3063, 0.4152** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.7780, 0.3194, 0.2557**, and the grayscale version is **68.1647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5641, 0.3097, 0.3545**, and **41.4205, 0.3032, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **74.1937, 0.3042, 0.4489**, and if you desaturate by 10%, it is **81.5110, 0.3085, 0.3839**.

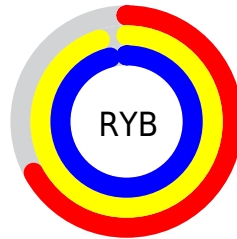
# Distribution



Red (67%)

Green (96%)

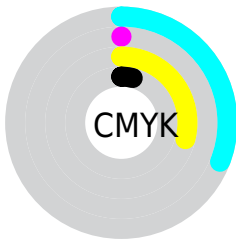
Blue (68%)



Red (67%)

Yellow (95%)

Blue (96%)

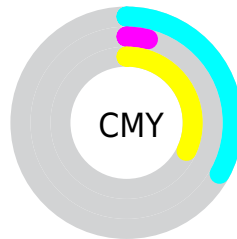


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (4%)



Cyan (33%)

Magenta (4%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5136, 0.3063, 0.4152 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 77.5136, 0.3063, 0.4152 by changing the saturation by 10% instead.




 77.5136, 0.3063,  
0.4152

 77.5136, 0.3063,  
0.4152

486.5134, 0.3104,  
0.3737

 57.6745, 0.3051,  
0.4251


 129.8642, 0.3080,  
0.4005

 41.5470, 0.3034,  
0.4374


163.1445, 0.3085,  
0.3948

 28.7468, 0.3010,  
0.4534


201.6741, 0.3090,  
0.3900

 18.8893, 0.2974,  
0.4746

245.8372, 0.3094,  
0.3859

 11.5903, 0.2916,  
0.5042

296.0183, 0.3097,  
0.3822

 6.4654, 0.2815,  
0.5479

352.6017, 0.3100,


 3.1301, 0.2642,


0.3790


0.6236


415.9720, 0.3102,  
0.3762


 1.2000, 0.1445,  
0.8555


 0.0617, 0.0000,  
1.0000


 77.5136, 0.3063,  
0.4152


 77.5136, 0.3063,  
0.4152

 74.1937, 0.3042,  
0.4489

 81.5110, 0.3085,  
0.3839

 71.5046, 0.3022,  
0.4837

 86.2100, 0.3106,  
0.3558

 69.4092, 0.3006,  
0.5176

 91.6456, 0.3126,  
0.3310

 67.8625, 0.2995,  
0.5481

 94.3879, 0.3131,  
0.3204

■ 66.8131, 0.2989,  
0.5727

■ 66.1997, 0.2990,  
0.5894

■ 65.9363, 0.2994,  
0.5977

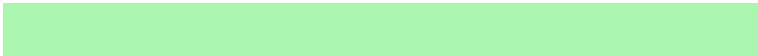
# Harmonies

## Analogous

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



77.5136, 0.3596, 0.4280



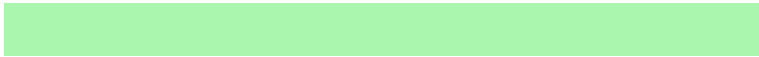
77.5136, 0.3063, 0.4152



77.5136, 0.2573, 0.3713

# Triad

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



77.5136, 0.3063, 0.4152



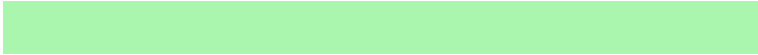
77.5136, 0.2272, 0.2472



77.5136, 0.4087, 0.3301

# Complementary

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



77.5136, 0.3063, 0.4152



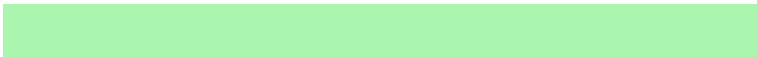
54.7780, 0.3194, 0.2557

# 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.



77.5136, 0.3669, 0.2901



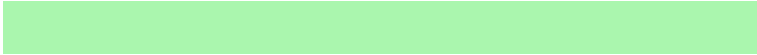
77.5136, 0.3063, 0.4152



77.5136, 0.2611, 0.2440

# Square

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



77.5136, 0.3063, 0.4152



77.5136, 0.2146, 0.2715



77.5136, 0.3116, 0.2596

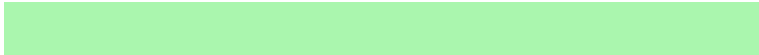


77.5136, 0.4215, 0.3727



# Rectangle

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



77.5136, 0.3063, 0.4152



77.5136, 0.2333, 0.3342



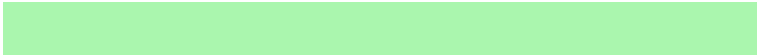
77.5136, 0.3116, 0.2596



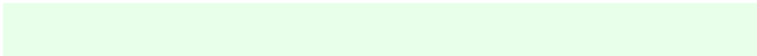
77.5136, 0.3974, 0.3161

# Sweetspot

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



77.5169, 0.3063, 0.4152



94.5812, 0.3109, 0.3510



87.7246, 0.3567, 0.4070



20.0701, 0.3107, 0.3548



0.0000, 0.0000, 0.0000

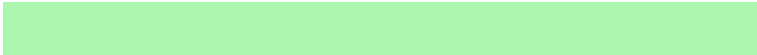


21.4041, 0.3127, 0.3290

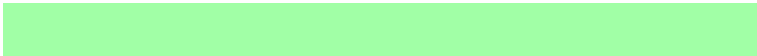


# Same Dimension

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



77.5169, 0.3063, 0.4152



81.7974, 0.3050, 0.4359



79.2053, 0.2858, 0.3687



18.4860, 0.3109, 0.3522



35.2022, 0.2991, 0.5968



3.0987, 0.2968, 0.5886



# Inverse Universe

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



54.7780, 0.3194, 0.2557



53.5360, 0.3209, 0.2413



52.7348, 0.3514, 0.2927



16.7526, 0.3146, 0.3069



13.6117, 0.3344, 0.1616

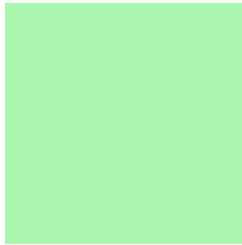


1.2008, 0.3325, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 77.5136, 0.3063, 0.4152 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 77.5136, 0.3063, 0.4152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

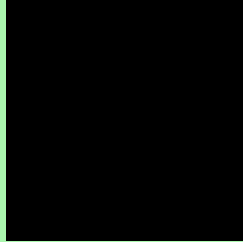
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.5136, 0.3063, 0.4152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5136, 0.3063, 0.4152.

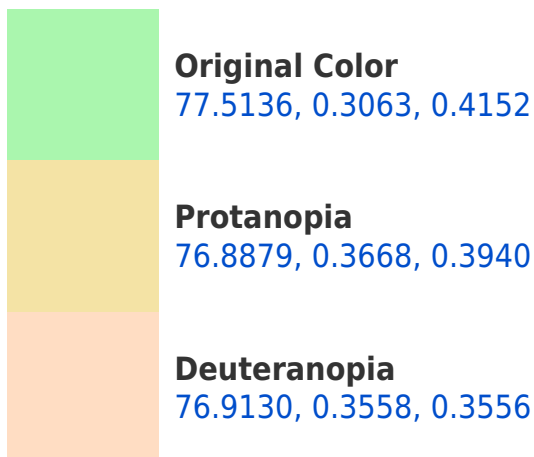


This preview shows how white text looks on a background with the Yxy color 77.5136, 0.3063, 0.4152.

# 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





## Tritanopia

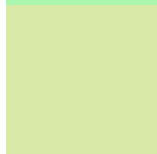
77.5252, 0.2705, 0.3082

# Trichromacy



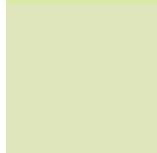
## Original Color

77.5136, 0.3063, 0.4152



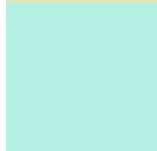
## Protanomaly

76.4245, 0.3429, 0.4025



## Deuteranomaly

76.0288, 0.3364, 0.3761



## Tritanomaly

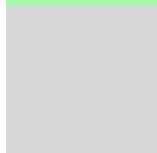
77.5145, 0.2834, 0.3448

# Monochromacy



## Original Color

77.5136, 0.3063, 0.4152



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.7050, 0.3106, 0.3590

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5136, 0.3063, 0.4152 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(170, 246, 174)` looks like.

```
.text, #text, p{  
    color:rgb(170, 246, 174)  
}
```

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(170, 246, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 246, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5136, 0.3063, 0.4152 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(170, 246, 174) }
```

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

```
.border{ border-color:rgb(170, 246, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 246, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 246, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 246, 174);  
box-shadow:4px 4px 4px 4px rgb(170, 246,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.5136, 0.3063, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 246, 174) }
```

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

```
.background{ background-color: rgb(170,  
246, 174) }
```

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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