

# Converting Colors

$Yxy(76.6133, 0.2966, 0.3903)$

Have a look what the booklet for  
Yxy(76.6133, 0.2966, 0.3903)  
contains.

<b>Yxy(76.4530, 0.2964, 0.3898)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.4530, 0.2964, 0.3898)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF3C0
RGB	170, 243, 192
RGB Percent	67%, 95%, 75%
CMY	0.3335, 0.0470, 0.2472
CMYK	0.30, 0.00, 0.21, 0.05
HSL	138°, 75%, 81%
HSV	138°, 30%, 95%
XYZ	58.1341, 76.4530, 61.5468
YIQ	215.3590, -27.1370, -31.3370

# Conversions

## Conversions Part 2

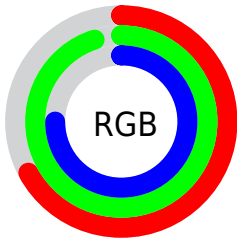
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 226, 243
Decimal	11203520
CIELab	90.07, -32.77, 17.51
CIELCh	90, 37.156, 151.880
Yxy	76.4530, 0.2964, 0.3898
Android (android.graphics.Color)	4289393600 (0xFFAAF3C0)
YUV	215.3590, -11.5160, -39.7798
Hunter-Lab	87.4374, -34.3370, 19.4722

# Details

The Yxy color **76.4530, 0.2964, 0.3898** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.0134, 0.3342, 0.2752**, and the grayscale version is **68.2998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6904, 0.2991, 0.3350**, and **40.6658, 0.2924, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **73.2846, 0.2917, 0.4144**, and if you desaturate by 10%, it is **80.2151, 0.3016, 0.3673**.

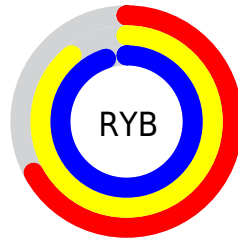
# Distribution



Red (67%)

Green (95%)

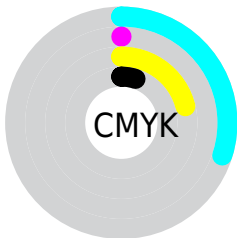
Blue (75%)



Red (67%)

Yellow (89%)

Blue (95%)

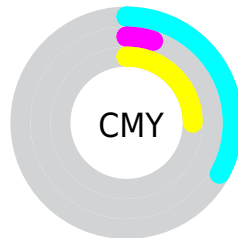


Cyan (30%)

Magenta (0%)

Yellow (21%)

Black (5%)



Cyan (33%)

Magenta (5%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4530, 0.2964, 0.3898 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 76.4530, 0.2964, 0.3898 by changing the saturation by 10% instead.



 76.4530, 0.2964,  
0.3898

 76.4530, 0.2964,  
0.3898

482.8970, 0.3045,  
0.3607

 56.8040, 0.2944,  
0.3967

 128.3670, 0.2993,  
0.3795

 40.8479, 0.2919,  
0.4053


161.4009, 0.3004,  
0.3756

 28.2003, 0.2886,  
0.4164


199.6652, 0.3013,  
0.3722

 18.4767, 0.2841,  
0.4313

243.5444, 0.3022,  
0.3693

 11.2928, 0.2776,  
0.4521

293.4227, 0.3028,  
0.3667

 6.2641, 0.2674,  
0.4833


349.6847, 0.3035,

 3.0063, 0.2497,


0.3645

412.7146, 0.3040,  
0.3625


0.5345


 1.1350, 0.1861,  
0.8139


 0.0077, 0.0000,  
1.0000


 76.4530, 0.2964,  
0.3898


 76.4530, 0.2964,  
0.3898

 73.2846, 0.2917,  
0.4144


 80.2151, 0.3016,  
0.3673


 70.6698, 0.2878,  
0.4406

 84.5897, 0.3071,  
0.3471

 68.5784, 0.2851,  
0.4677

 89.6064, 0.3127,  
0.3291

 66.9733, 0.2838,  
0.4947

 92.5895, 0.3133,  
0.3175

■ 65.8123, 0.2842,  
0.5202

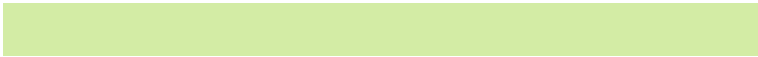
■ 65.0456, 0.2862,  
0.5431

■ 64.5936, 0.2895,  
0.5621

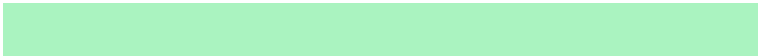
# Harmonies

## Analogous

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



76.4530, 0.3401, 0.4081



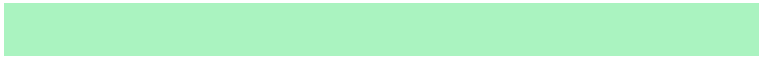
76.4530, 0.2964, 0.3898



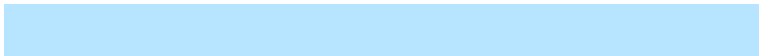
76.4530, 0.2588, 0.3511

# Triad

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



76.4530, 0.2964, 0.3898



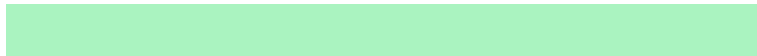
76.4530, 0.2486, 0.2595



76.4530, 0.3955, 0.3406

# Complementary

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



76.4530, 0.2964, 0.3898



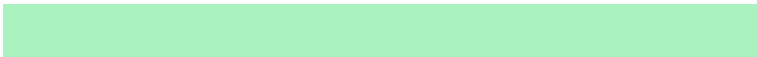
53.0134, 0.3342, 0.2752

# 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.



76.4530, 0.3676, 0.3059



76.4530, 0.2964, 0.3898



76.4530, 0.2813, 0.2609

# Square

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



76.4530, 0.2964, 0.3898



76.4530, 0.2328, 0.2754



76.4530, 0.3247, 0.2776

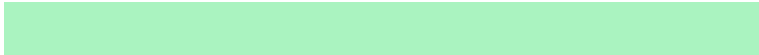


76.4530, 0.3991, 0.3751



# Rectangle

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



76.4530, 0.2964, 0.3898



76.4530, 0.2418, 0.3219



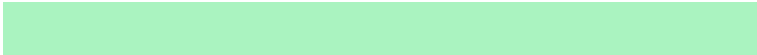
76.4530, 0.3247, 0.2776



76.4530, 0.3886, 0.3287

# Sweetspot

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



76.4562, 0.2964, 0.3898



94.9141, 0.3077, 0.3451



82.3981, 0.3427, 0.4083



20.1514, 0.3069, 0.3479



0.0000, 0.0000, 0.0000

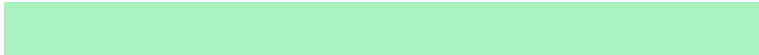


21.4041, 0.3127, 0.3290

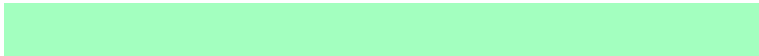


# Same Dimension

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



76.4562, 0.2964, 0.3898



83.0832, 0.2935, 0.4044



78.2754, 0.2768, 0.3457



18.5542, 0.3074, 0.3460



35.4675, 0.2887, 0.5593



3.1347, 0.2818, 0.5346



# Inverse Universe

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



53.0134, 0.3342, 0.2752



53.0902, 0.3398, 0.2642



51.2777, 0.3668, 0.3132



16.6782, 0.3184, 0.3126



12.0711, 0.4152, 0.2061

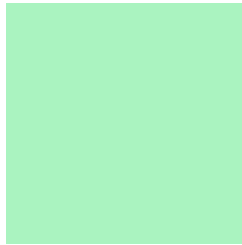


1.0791, 0.4005, 0.1980



# Previews

## White Background



This preview shows how the Yxy color 76.4530, 0.2964, 0.3898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

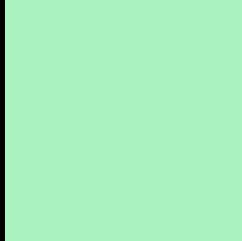
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4530, 0.2964, 0.3898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

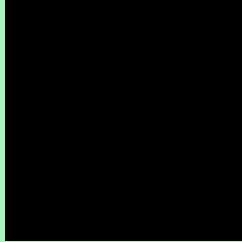
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.4530, 0.2964, 0.3898**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4530, 0.2964, 0.3898.

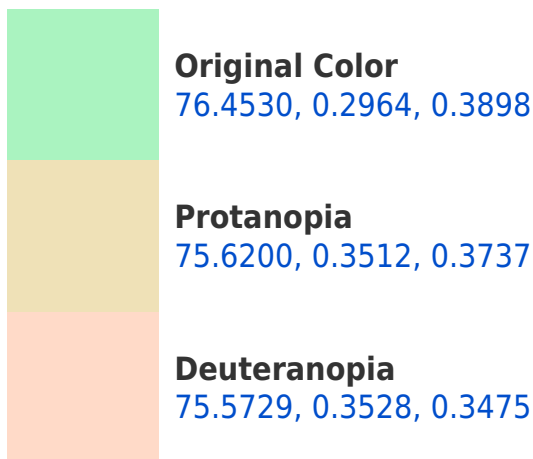


This preview shows how white text looks on a background with the Yxy color 76.4530, 0.2964, 0.3898.

# 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

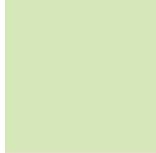
76.4536, 0.2698, 0.3091

# Trichromacy



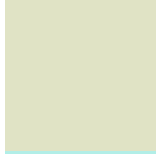
## Original Color

76.4530, 0.2964, 0.3898



## Protanomaly

75.5545, 0.3296, 0.3804



## Deuteranomaly

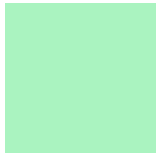
74.8167, 0.3303, 0.3618



## Tritanomaly

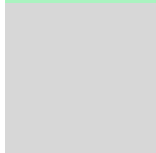
76.3836, 0.2794, 0.3369

# Monochromacy



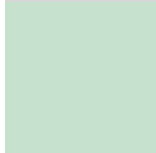
## Original Color

76.4530, 0.2964, 0.3898



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.4975, 0.3062, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4530, 0.2964, 0.3898 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, 243, 192)` looks like.

```
.text, #text, p{  
    color:rgb(170, 243, 192)  
}
```

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, 243, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 243, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4530, 0.2964, 0.3898 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, 243, 192) }
```

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

```
.border{ border-color:rgb(170, 243, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 243, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 243, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 243, 192);  
box-shadow:4px 4px 4px 4px rgb(170, 243,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4530, 0.2964, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 243, 192) }
```

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

```
.background{ background-color: rgb(170,  
243, 192) }
```

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