

# Converting Colors

$Yxy(76.4461, 0.3063, 0.4212)$

Have a look what the booklet for  
Yxy(76.4461, 0.3063, 0.4212)  
contains.

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# Color

**Yxy(76.2764, 0.3066, 0.4211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6F5A9
RGB	166, 245, 169
RGB Percent	65%, 96%, 66%
CMY	0.3491, 0.0392, 0.3373
CMYK	0.32, 0.00, 0.31, 0.04
HSL	122°, 80%, 81%
HSV	122°, 32%, 96%
XYZ	55.5363, 76.2764, 49.3234
YIQ	212.7150, -22.6880, -40.3840

# Conversions

## Conversions Part 2

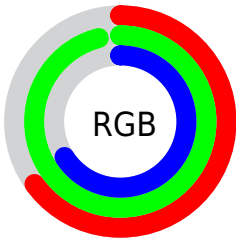
Format	Color
<a href="#">RYB</a>	<a href="#">166, 242, 245</a>
Decimal	<a href="#">10941865</a>
CIELab	<a href="#">89.99, -38.84, 29.14</a>
CIElCh	<a href="#">90, 48.551, 143.122</a>
Yxy	<a href="#">76.2764, 0.3066, 0.4211</a>
Android (android.graphics.Color)	<a href="#">4289131945 (0xFFA6F5A9)</a>
YUV	<a href="#">212.7150, -21.5515, -40.9691</a>
Hunter-Lab	<a href="#">87.3364, -39.3323, 27.6513</a>

# Details

The Yxy color **76.2764, 0.3066, 0.4211** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.0934, 0.3189, 0.2515**, and the grayscale version is **66.4963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6442, 0.3100, 0.3600**, and **40.6069, 0.3036, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **73.0726, 0.3046, 0.4555**, and if you desaturate by 10%, it is **80.1506, 0.3086, 0.3890**.

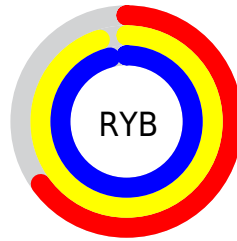
# Distribution



Red (65%)

Green (96%)

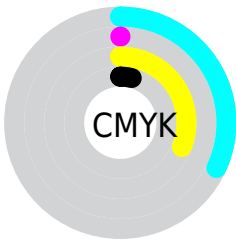
Blue (66%)



Red (65%)

Yellow (95%)

Blue (96%)

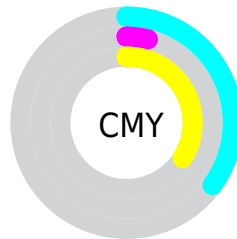


Cyan (32%)

Magenta (0%)

Yellow (31%)

Black (4%)



Cyan (35%)

Magenta (4%)


Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2764, 0.3066, 0.4211 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 76.2764, 0.3066, 0.4211 by changing the saturation by 10% instead.





 76.2764, 0.3066,  
0.4211


 76.2764, 0.3066,  
0.4211


482.2933, 0.3107,  
0.3765

 56.6592, 0.3053,  
0.4317


 128.1175, 0.3083,  
0.4052

 40.7317, 0.3035,  
0.4451


 161.1102, 0.3089,  
0.3992

 28.1095, 0.3009,  
0.4624


199.3302, 0.3094,  
0.3940

 18.4082, 0.2970,  
0.4854

243.1619, 0.3097,  
0.3896

 11.2435, 0.2906,  
0.5176

292.9897, 0.3101,  
0.3857

 6.2308, 0.2792,  
0.5651


349.1979, 0.3103,


 2.9859, 0.2625,


0.3822


0.6557


412.1710, 0.3105,  
0.3792


 1.1244, 0.0838,  
0.9162


 0.0000, 0.0000,  
0.0000


 76.2764, 0.3066,  
0.4211


 76.2764, 0.3066,  
0.4211


 73.0726, 0.3046,  
0.4555


 80.1506, 0.3086,  
0.3890

 70.4921, 0.3027,  
0.4907

 84.7199, 0.3105,  
0.3600

 68.4973, 0.3012,  
0.5245

 90.0195, 0.3123,  
0.3343

 67.0422, 0.3001,  
0.5542

 93.7900, 0.3132,  
0.3194

■ 66.0742, 0.2995,  
0.5774

■ 65.5300, 0.2994,  
0.5923

■ 65.3303, 0.2995,  
0.5983

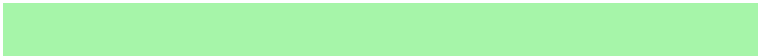
# Harmonies

## Analogous

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



76.2764, 0.3627, 0.4336



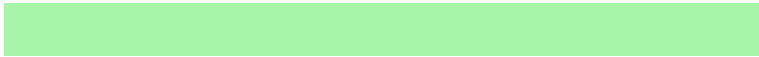
76.2764, 0.3066, 0.4211



76.2764, 0.2549, 0.3748

# Triad

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



76.2764, 0.3066, 0.4211



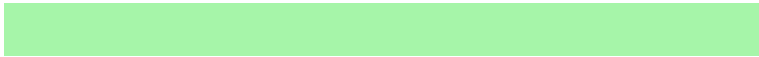
76.2764, 0.2224, 0.2432



76.2764, 0.4136, 0.3290

# Complementary

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



76.2764, 0.3066, 0.4211



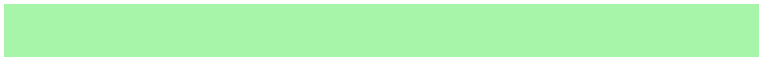
53.0934, 0.3189, 0.2515

# 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.



76.2764, 0.3690, 0.2873



76.2764, 0.3066, 0.4211



76.2764, 0.2575, 0.2397

# Square

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



76.2764, 0.3066, 0.4211



76.2764, 0.2096, 0.2687



76.2764, 0.3104, 0.2557

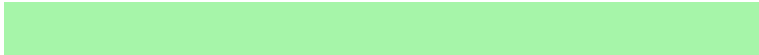


76.2764, 0.4276, 0.3737



# Rectangle

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



76.2764, 0.3066, 0.4211



76.2764, 0.2296, 0.3353



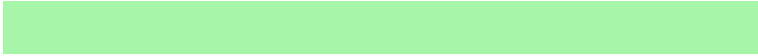
76.2764, 0.3104, 0.2557



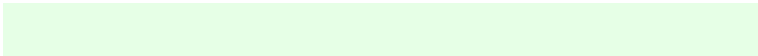
76.2764, 0.4016, 0.3144

# Sweetspot

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



76.2796, 0.3066, 0.4211



93.9998, 0.3109, 0.3539



87.0062, 0.3596, 0.4101



19.9534, 0.3107, 0.3577



0.0000, 0.0000, 0.0000

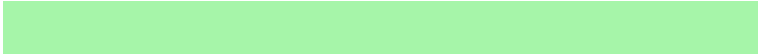


21.4041, 0.3127, 0.3290

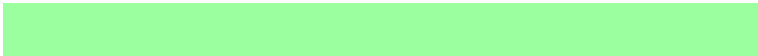


# Same Dimension

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



76.2796, 0.3066, 0.4211



81.0575, 0.3052, 0.4444



77.9762, 0.2855, 0.3724



18.4822, 0.3110, 0.3525



35.1965, 0.2993, 0.5976



3.0969, 0.2977, 0.5916



# Inverse Universe

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



53.0934, 0.3189, 0.2515



51.8656, 0.3203, 0.2356



50.9872, 0.3525, 0.2897



16.7568, 0.3144, 0.3066



13.7162, 0.3306, 0.1595

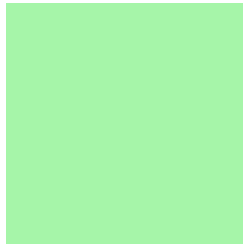


1.2088, 0.3293, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 76.2764, 0.3066, 0.4211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

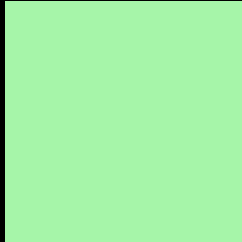
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2764, 0.3066, 0.4211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

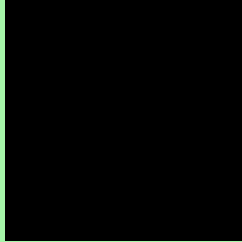
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.2764, 0.3066, 0.4211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2764, 0.3066, 0.4211.

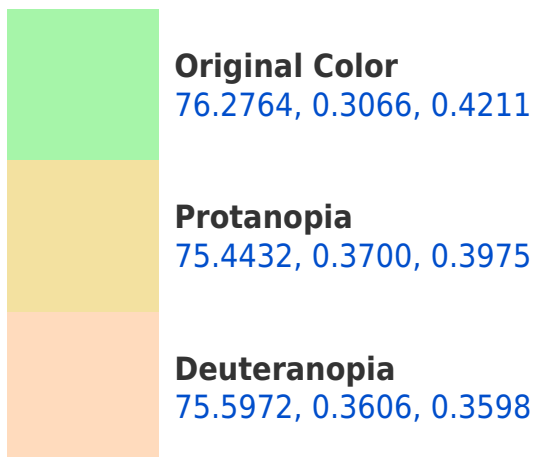


This preview shows how white text looks on a background with the Yxy color 76.2764, 0.3066, 0.4211.

# 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

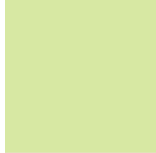
75.8826, 0.2697, 0.3080

# Trichromacy



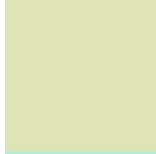
## Original Color

76.2764, 0.3066, 0.4211



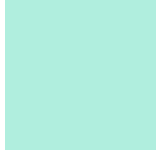
## Protanomaly

74.8046, 0.3450, 0.4065



## Deuteranomaly

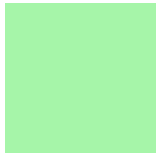
74.5522, 0.3394, 0.3798



## Tritanomaly

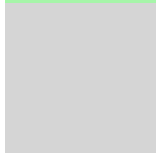
75.6531, 0.2832, 0.3474

# Monochromacy



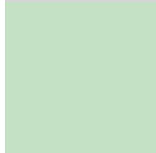
## Original Color

76.2764, 0.3066, 0.4211



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.6174, 0.3105, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2764, 0.3066, 0.4211 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(166, 245, 169)` looks like.

```
.text, #text, p{  
    color:rgb(166, 245, 169)  
}
```

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(166, 245, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 245, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2764, 0.3066, 0.4211 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(166, 245, 169) }
```

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

```
.border{ border-color:rgb(166, 245, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 245, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 245, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 245, 169);  
box-shadow:4px 4px 4px 4px rgb(166, 245,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2764, 0.3066, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 245, 169) }
```

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

```
.background{ background-color: rgb(166,  
245, 169) }
```

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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