

# Converting Colors

$Yxy(76.3034, 0.2976, 0.4067)$

Have a look what the booklet for  
Yxy(76.3034, 0.2976, 0.4067)  
contains.

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# Color

**Yxy(76.3224, 0.2978, 0.4066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F5B5
RGB	162, 245, 181
RGB Percent	64%, 96%, 71%
CMY	0.3645, 0.0392, 0.2903
CMYK	0.34, 0.00, 0.26, 0.04
HSL	134°, 81%, 80%
HSV	134°, 34%, 96%
XYZ	55.8997, 76.3224, 55.4867
YIQ	212.8870, -28.9240, -37.5000

# Conversions

## Conversions Part 2

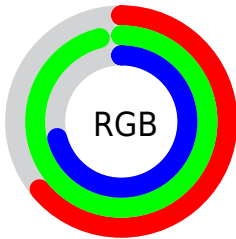
Format	Color
<a href="#">RYB</a>	<a href="#">162, 230, 245</a>
Decimal	<a href="#">10679733</a>
CIELab	<a href="#">90.01, -38.02, 23.02</a>
CIElCh	<a href="#">90, 44.447, 148.801</a>
Yxy	<a href="#">76.3224, 0.2978, 0.4066</a>
Android (android.graphics.Color)	<a href="#">4288869813 (0xFFA2F5B5)</a>
YUV	<a href="#">212.8870, -15.7203, -44.6279</a>
Hunter-Lab	<a href="#">87.3627, -38.6701, 23.4970</a>

# Details

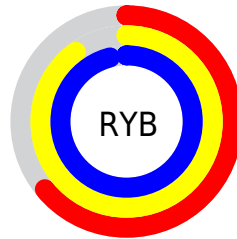
The Yxy color **76.3224, 0.2978, 0.4066** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.7690, 0.3324, 0.2624**, and the grayscale version is **66.5902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6945, 0.3009, 0.3475**, and **40.6508, 0.2929, 0.4262** is the 20% darker color. If you saturate the color by 10%, you get **73.2795, 0.2941, 0.4346**, and if you desaturate by 10%, it is **79.9769, 0.3020, 0.3807**.

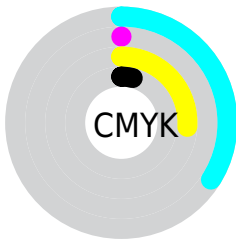
# Distribution



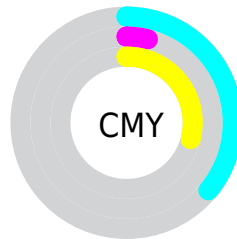
- Red (64%)
- Green (96%)
- Blue (71%)



- Red (64%)
- Yellow (90%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3224, 0.2978, 0.4066 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 76.3224, 0.2978, 0.4066 by changing the saturation by 10% instead.




 76.3224, 0.2978,  
0.4066


 76.3224, 0.2978,  
0.4066


482.4506, 0.3056,  
0.3691

 56.6969, 0.2958,  
0.4155


 128.1825, 0.3007,  
0.3933

 40.7620, 0.2932,  
0.4267


 161.1860, 0.3018,  
0.3882

 28.1331, 0.2897,  
0.4412


199.4175, 0.3027,  
0.3839

 18.4260, 0.2847,  
0.4607

243.2616, 0.3034,  
0.3801

 11.2563, 0.2774,  
0.4880

293.1025, 0.3041,  
0.3769

 6.2395, 0.2654,  
0.5288


349.3247, 0.3047,


 2.9912, 0.2439,

0.3740

0.5962


412.3126, 0.3052,  
0.3714


 1.1272, 0.0999,  
0.9001


 0.0010, 0.0000,  
1.0000


 76.3224, 0.2978,  
0.4066

 76.3224, 0.2978,  
0.4066


 73.2795, 0.2941,  
0.4346


 79.9769, 0.3020,  
0.3807

 70.8052, 0.2912,  
0.4639

 84.2643, 0.3065,  
0.3572

 68.8662, 0.2894,  
0.4935

 89.2163, 0.3110,  
0.3364

 67.4215, 0.2889,  
0.5216

 93.7828, 0.3132,  
0.3194

■ 66.4238, 0.2898,  
0.5468

■ 65.8162, 0.2920,  
0.5674

■ 65.5871, 0.2937,  
0.5775

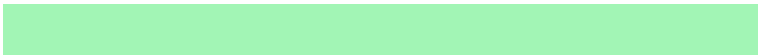
# Harmonies

## Analogous

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



76.3224, 0.3497, 0.4249



76.3224, 0.2978, 0.4066



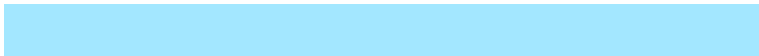
76.3224, 0.2523, 0.3608

# Triad

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



76.3224, 0.2978, 0.4066



76.3224, 0.2340, 0.2477



76.3224, 0.4099, 0.3374

# Complementary

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



76.3224, 0.2978, 0.4066



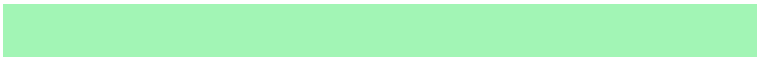
50.7690, 0.3324, 0.2624

# 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.



76.3224, 0.3736, 0.2975



76.3224, 0.2978, 0.4066



76.3224, 0.2703, 0.2479

# Square

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



76.3224, 0.2978, 0.4066



76.3224, 0.2180, 0.2679



76.3224, 0.3211, 0.2658

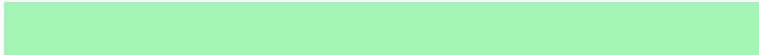


76.3224, 0.4169, 0.3784



# Rectangle

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



76.3224, 0.2978, 0.4066



76.3224, 0.2312, 0.3250



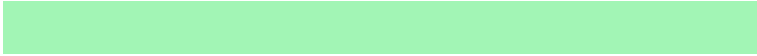
76.3224, 0.3211, 0.2658



76.3224, 0.4006, 0.3236

# Sweetspot

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



76.3256, 0.2978, 0.4066



94.2768, 0.3082, 0.3489



84.2488, 0.3511, 0.4174



20.0198, 0.3076, 0.3519



0.0000, 0.0000, 0.0000

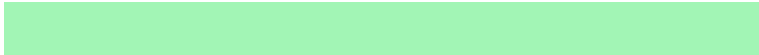


21.4041, 0.3127, 0.3290

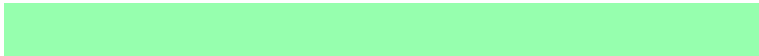


# Same Dimension

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



76.3256, 0.2978, 0.4066



81.1143, 0.2951, 0.4267



78.2375, 0.2764, 0.3563



18.5339, 0.3084, 0.3478



35.3515, 0.2931, 0.5751



3.1221, 0.2867, 0.5522



# Inverse Universe

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



50.7690, 0.3324, 0.2624



48.9949, 0.3378, 0.2483



48.8000, 0.3696, 0.3037



16.6998, 0.3173, 0.3109



12.4622, 0.3886, 0.1914

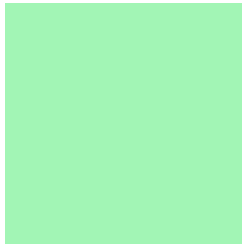


1.1107, 0.3784, 0.1858



# Previews

## White Background



This preview shows how the Yxy color 76.3224, 0.2978, 0.4066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

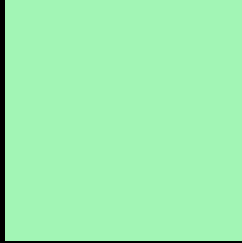
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3224, 0.2978, 0.4066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

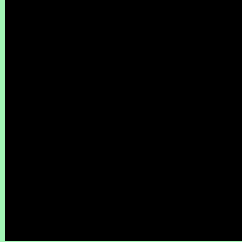
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.3224, 0.2978, 0.4066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3224, 0.2978, 0.4066.

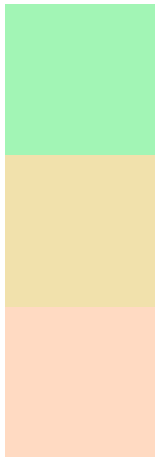


This preview shows how white text looks on a background with the Yxy color 76.3224, 0.2978, 0.4066.

# 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**

76.3224, 0.2978, 0.4066

**Protanopia**

75.5298, 0.3603, 0.3852

**Deuteranopia**

75.2978, 0.3572, 0.3537



## Tritanopia

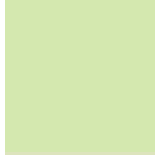
75.9195, 0.2665, 0.3079

# Trichromacy



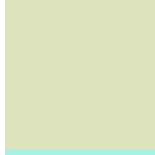
## Original Color

76.3224, 0.2978, 0.4066



## Protanomaly

74.8054, 0.3352, 0.3933



## Deuteranomaly

74.5331, 0.3332, 0.3721



## Tritanomaly

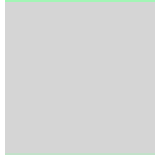
76.0497, 0.2783, 0.3427

# Monochromacy



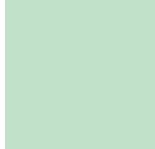
## Original Color

76.3224, 0.2978, 0.4066



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.5368, 0.3066, 0.3570

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3224, 0.2978, 0.4066 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(162, 245, 181)` looks like.

```
.text, #text, p{  
    color:rgb(162, 245, 181)  
}
```

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(162, 245, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 245, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3224, 0.2978, 0.4066 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(162, 245, 181) }
```

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

```
.border{ border-color:rgb(162, 245, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 245, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 245, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 245, 181);  
box-shadow:4px 4px 4px 4px rgb(162, 245,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3224, 0.2978, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 245, 181) }
```

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

```
.background{ background-color: rgb(162,  
245, 181) }
```

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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