

# Converting Colors

$Yxy(77.0662, 0.3002, 0.4018)$

Have a look what the booklet for  
Yxy(77.0662, 0.3002, 0.4018)  
contains.

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# Color

**Yxy(77.2005, 0.3002, 0.4019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9F5B8
RGB	169, 245, 184
RGB Percent	66%, 96%, 72%
CMY	0.3373, 0.0392, 0.2783
CMYK	0.31, 0.00, 0.25, 0.04
HSL	132°, 79%, 81%
HSV	132°, 31%, 96%
XYZ	57.6651, 77.2005, 57.2233
YIQ	215.3220, -25.7150, -35.0830

# Conversions

## Conversions Part 2

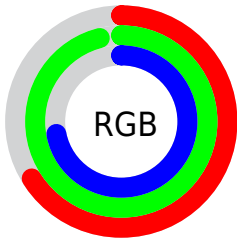
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 232, 245
Decimal	11138488
CIELab	90.41, -35.40, 22.07
CIElCh	90, 41.718, 148.055
Yxy	77.2005, 0.3002, 0.4019
Android (android.graphics.Color)	4289328568 (0xFFA9F5B8)
YUV	215.3220, -15.4417, -40.6244
Hunter-Lab	87.8638, -36.6120, 22.8907

# Details

The Yxy color **77.2005, 0.3002, 0.4019** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.4933, 0.3285, 0.2658**, and the grayscale version is **68.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9800, 0.3034, 0.3442**, and **41.1825, 0.2958, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **73.9756, 0.2966, 0.4305**, and if you desaturate by 10%, it is **81.0541, 0.3041, 0.3756**.

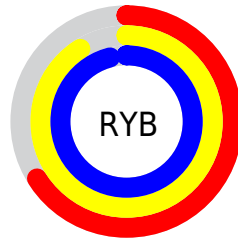
# Distribution



Red (66%)

Green (96%)

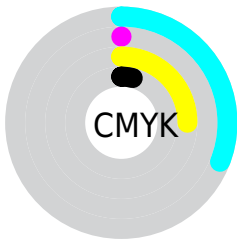
Blue (72%)



Red (66%)

Yellow (91%)

Blue (96%)

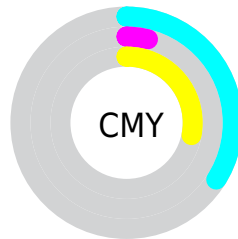


Cyan (31%)

Magenta (0%)

Yellow (25%)

Black (4%)



Cyan (34%)

Magenta (4%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2005, 0.3002, 0.4019 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 77.2005, 0.3002, 0.4019 by changing the saturation by 10% instead.




 77.2005, 0.3002,  
0.4019

 77.2005, 0.3002,  
0.4019


485.4474, 0.3068,  
0.3669

 57.4174, 0.2985,  
0.4102


 129.4225, 0.3026,  
0.3895

 41.3405, 0.2963,  
0.4206

162.6302, 0.3035,  
0.3848

 28.5852, 0.2933,  
0.4340


201.0816, 0.3043,  
0.3807

 18.7673, 0.2891,  
0.4520

245.1610, 0.3049,  
0.3772

 11.5022, 0.2829,  
0.4771

295.2529, 0.3055,  
0.3741

 6.4057, 0.2727,  
0.5146


351.7417, 0.3060,


 3.0933, 0.2540,


0.3714


415.0117, 0.3064,  
0.3690


0.5753


 1.1806, 0.1640,  
0.8360


 0.0458, 0.0000,  
1.0000


 77.2005, 0.3002,  
0.4019


 77.2005, 0.3002,  
0.4019


 73.9756, 0.2966,  
0.4305

 81.0541, 0.3041,  
0.3756


 71.3365, 0.2937,  
0.4606

 85.5572, 0.3082,  
0.3520

 69.2502, 0.2917,  
0.4911

 90.7418, 0.3123,  
0.3310

 67.6764, 0.2908,  
0.5204

 93.7890, 0.3132,  
0.3194

■ 66.5692, 0.2913,  
0.5466

■ 65.8741, 0.2930,  
0.5682

■ 65.5265, 0.2952,  
0.5826

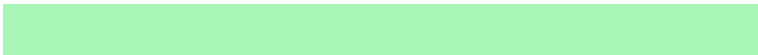
# Harmonies

## Analogous

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



77.2005, 0.3488, 0.4185



77.2005, 0.3002, 0.4019



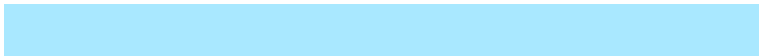
77.2005, 0.2571, 0.3600

# Triad

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



77.2005, 0.3002, 0.4019



77.2005, 0.2381, 0.2529



77.2005, 0.4029, 0.3363

# Complementary

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



77.2005, 0.3002, 0.4019



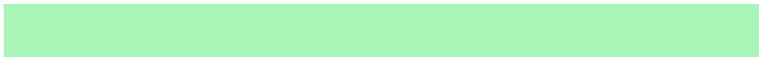
53.4933, 0.3285, 0.2658

# 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.



77.2005, 0.3685, 0.2987



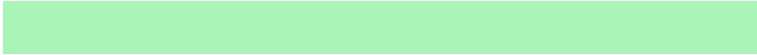
77.2005, 0.3002, 0.4019



77.2005, 0.2720, 0.2524

# Square

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



77.2005, 0.3002, 0.4019



77.2005, 0.2235, 0.2726



77.2005, 0.3194, 0.2689

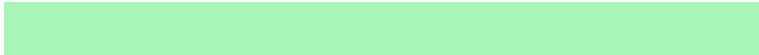


77.2005, 0.4104, 0.3750



# Rectangle

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



77.2005, 0.3002, 0.4019



77.2005, 0.2368, 0.3268



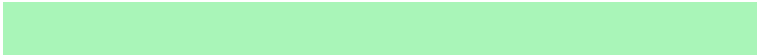
77.2005, 0.3194, 0.2689



77.2005, 0.3941, 0.3233

# Sweetspot

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



77.2037, 0.3002, 0.4019



94.7748, 0.3090, 0.3475



85.1733, 0.3498, 0.4093



20.1173, 0.3084, 0.3507



0.0000, 0.0000, 0.0000

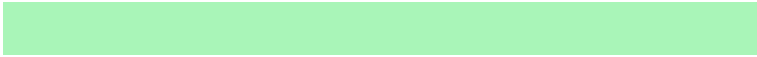


21.4041, 0.3127, 0.3290

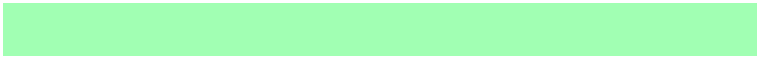


# Same Dimension

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



77.2037, 0.3002, 0.4019



82.3285, 0.2980, 0.4190



78.9587, 0.2804, 0.3567



18.5256, 0.3089, 0.3485



35.3136, 0.2946, 0.5804



3.1177, 0.2885, 0.5587



# Inverse Universe

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



53.4933, 0.3285, 0.2658



52.7027, 0.3323, 0.2534



51.6351, 0.3609, 0.3032



16.7088, 0.3168, 0.3102



12.6377, 0.3784, 0.1858

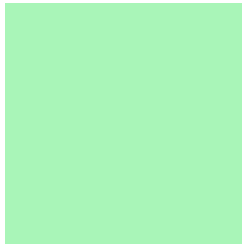


1.1247, 0.3698, 0.1811



# Previews

## White Background



This preview shows how the Yxy color 77.2005, 0.3002, 0.4019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

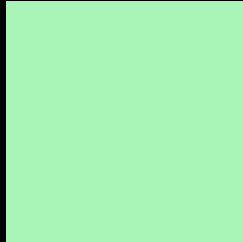
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.2005, 0.3002, 0.4019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

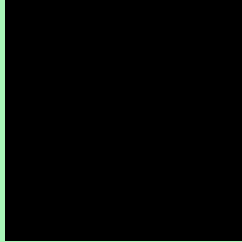
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.2005, 0.3002, 0.4019**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.2005, 0.3002, 0.4019.

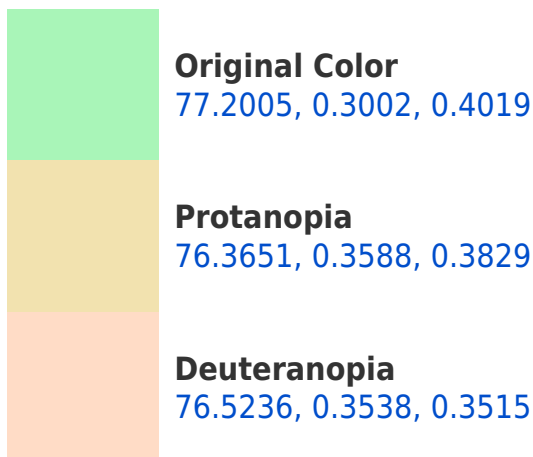


This preview shows how white text looks on a background with the Yxy color 77.2005, 0.3002, 0.4019.

# 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

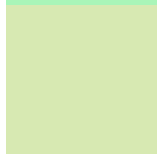
77.2782, 0.2694, 0.3081

# Trichromacy



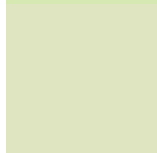
## Original Color

77.2005, 0.3002, 0.4019



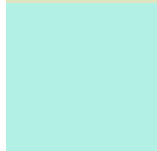
## Protanomaly

75.9393, 0.3352, 0.3905



## Deuteranomaly

75.7362, 0.3326, 0.3684



## Tritanomaly

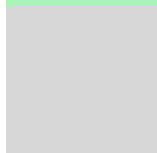
76.8551, 0.2806, 0.3403

# Monochromacy



## Original Color

77.2005, 0.3002, 0.4019



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.7581, 0.3074, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2005, 0.3002, 0.4019 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(169, 245, 184)` looks like.

```
.text, #text, p{  
    color:rgb(169, 245, 184)  
}
```

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(169, 245, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 245, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2005, 0.3002, 0.4019 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(169, 245, 184) }
```

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

```
.border{ border-color:rgb(169, 245, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 245, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 245, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 245, 184);  
box-shadow:4px 4px 4px 4px rgb(169, 245,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.2005, 0.3002, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 245, 184) }
```

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

```
.background{ background-color: rgb(169,  
245, 184) }
```

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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