

# Converting Colors

$Yxy(76.3382, 0.2918, 0.3903)$

Have a look what the booklet for  
Yxy(76.3382, 0.2918, 0.3903)  
contains.

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# Color

**Yxy(76.3382, 0.2918, 0.3903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3F4C1
RGB	163, 244, 193
RGB Percent	64%, 96%, 76%
CMY	0.3610, 0.0431, 0.2431
CMYK	0.33, 0.00, 0.21, 0.04
HSL	142°, 79%, 80%
HSV	142°, 33%, 96%
XYZ	57.0727, 76.3382, 62.1776
YIQ	213.9670, -31.9050, -33.0330

# Conversions

## Conversions Part 2

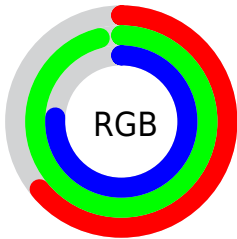
Format	Color
<a href="#">RYB</a>	<a href="#">163, 222, 244</a>
Decimal	<a href="#">10745025</a>
CIELab	<a href="#">90.02, -35.14, 16.86</a>
CIElCh	<a href="#">90, 38.974, 154.371</a>
Yxy	<a href="#">76.3382, 0.2918, 0.3903</a>
Android (android.graphics.Color)	<a href="#">4288935105 (0xFFA3F4C1)</a>
YUV	<a href="#">213.9670, -10.3367, -44.6981</a>
Hunter-Lab	<a href="#">87.3717, -36.3012, 18.9668</a>

# Details

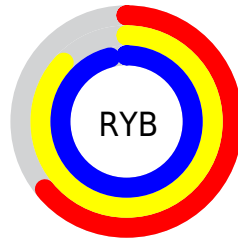
The Yxy color **76.3382, 0.2918, 0.3903** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.2659, 0.3421, 0.2750**, and the grayscale version is **67.3035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6378, 0.2944, 0.3340**, and **40.5929, 0.2863, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **73.3601, 0.2866, 0.4128**, and if you desaturate by 10%, it is **79.8907, 0.2977, 0.3695**.

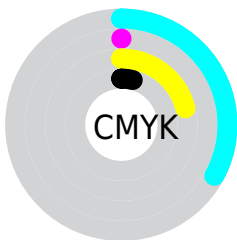
# Distribution



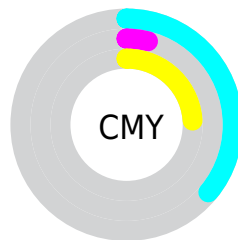
- Red (64%)
- Green (96%)
- Blue (76%)



- Red (64%)
- Yellow (87%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (21%)
- Black (4%)



- Cyan (36%)
- Magenta (4%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3382, 0.2918, 0.3903 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 76.3382, 0.2918, 0.3903 by changing the saturation by 10% instead.



 76.3382, 0.2918,  
0.3903


 76.3382, 0.2918,  
0.3903


482.5046, 0.3020,  
0.3609

 56.7099, 0.2893,  
0.3973


 128.2049, 0.2954,  
0.3799

 40.7724, 0.2862,  
0.4060


 161.2120, 0.2968,  
0.3759

 28.1412, 0.2822,  
0.4172


199.4475, 0.2980,  
0.3725

 18.4322, 0.2767,  
0.4323

243.2958, 0.2990,  
0.3696

 11.2607, 0.2689,  
0.4534

293.1412, 0.2999,  
0.3670

 6.2425, 0.2569,  
0.4851


349.3683, 0.3007,


 2.9931, 0.2365,


0.3647


0.5373


412.3613, 0.3014,  
0.3627

 1.1281, 0.1449,  
0.8338


 0.0018, 0.0000,  
1.0000


 76.3382, 0.2918,  
0.3903


 76.3382, 0.2918,  
0.3903


 73.3601, 0.2866,  
0.4128

 79.8907, 0.2977,  
0.3695


 70.9160, 0.2825,  
0.4368

 84.0365, 0.3041,  
0.3508

 68.9752, 0.2797,  
0.4615

 88.8052, 0.3106,  
0.3340

 67.4997, 0.2787,  
0.4861

 93.1527, 0.3136,  
0.3190

■ 66.4461, 0.2794,  
0.5097

■ 93.1897, 0.3132,  
0.3185

■ 65.7616, 0.2820,  
0.5311

■ 65.4556, 0.2845,  
0.5442

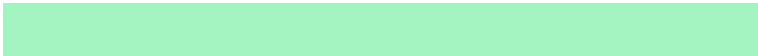
# Harmonies

## Analogous

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



76.3382, 0.3375, 0.4117



76.3382, 0.2918, 0.3903



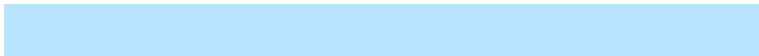
76.3382, 0.2536, 0.3483

# Triad

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



76.3382, 0.2918, 0.3903



76.3382, 0.2478, 0.2557



76.3382, 0.4010, 0.3440

# Complementary

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



76.3382, 0.2918, 0.3903



50.2659, 0.3421, 0.2750

# 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.



76.3382, 0.3735, 0.3076



76.3382, 0.2918, 0.3903



76.3382, 0.2832, 0.2587

# Square

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



76.3382, 0.2918, 0.3903



76.3382, 0.2298, 0.2707



76.3382, 0.3292, 0.2773

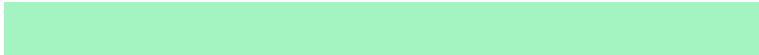


76.3382, 0.4024, 0.3797



# Rectangle

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



76.3382, 0.2918, 0.3903



76.3382, 0.2369, 0.3177



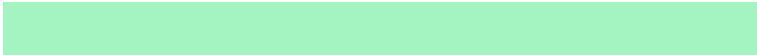
76.3382, 0.3292, 0.2773



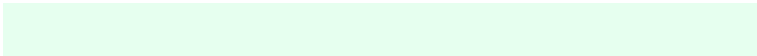
76.3382, 0.3945, 0.3316

# Sweetspot

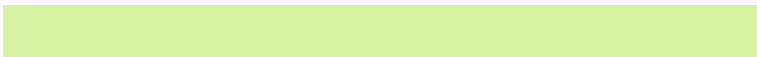
The Sweet Spot groups the original color and five complimentary colors.



76.3414, 0.2918, 0.3903



94.4896, 0.3061, 0.3452



81.6923, 0.3418, 0.4182



20.0711, 0.3052, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

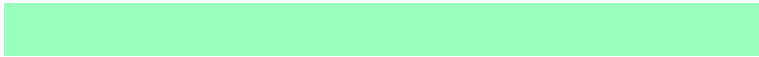


# Same Dimension

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



76.3414, 0.2918, 0.3903



82.0455, 0.2881, 0.4056



78.3861, 0.2708, 0.3413



18.5736, 0.3065, 0.3443



35.6108, 0.2837, 0.5412



3.1490, 0.2767, 0.5160



# Inverse Universe

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



50.2659, 0.3421, 0.2750



49.0621, 0.3503, 0.2637



48.4593, 0.3800, 0.3174



16.6580, 0.3195, 0.3142



11.7457, 0.4422, 0.2210

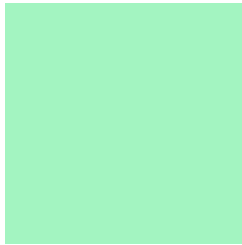


1.0521, 0.4229, 0.2103



# Previews

## White Background



This preview shows how the Yxy color 76.3382, 0.2918, 0.3903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

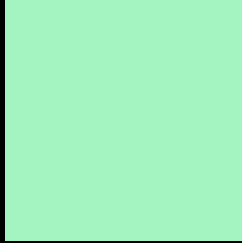
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3382, 0.2918, 0.3903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

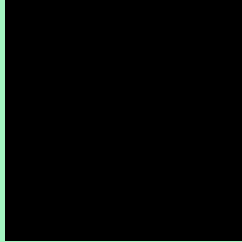
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.3382, 0.2918, 0.3903**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3382, 0.2918, 0.3903.

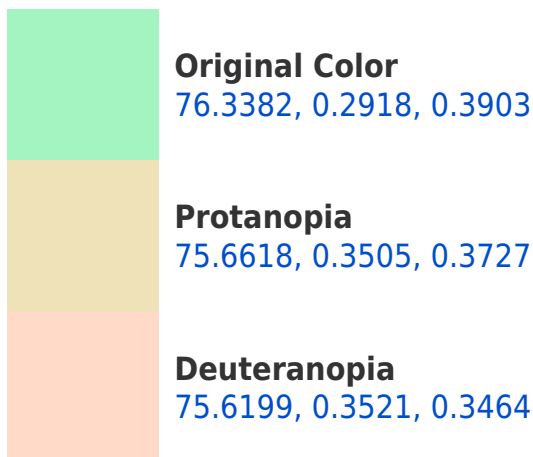


This preview shows how white text looks on a background with the Yxy color 76.3382, 0.2918, 0.3903.

# 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

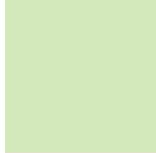
76.4410, 0.2656, 0.3079

# Trichromacy



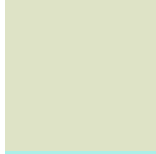
## Original Color

76.3382, 0.2918, 0.3903



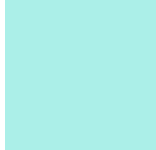
## Protanomaly

75.1500, 0.3268, 0.3796



## Deuteranomaly

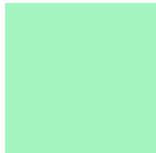
74.5450, 0.3281, 0.3609



## Tritanomaly

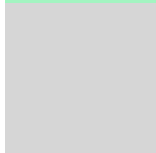
76.2171, 0.2751, 0.3369

# Monochromacy



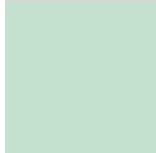
## Original Color

76.3382, 0.2918, 0.3903



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.9088, 0.3041, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3382, 0.2918, 0.3903 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(163, 244, 193)` looks like.

```
.text, #text, p{  
    color:rgb(163, 244, 193)  
}
```

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(163, 244, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 244, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3382, 0.2918, 0.3903 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(163, 244, 193) }
```

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

```
.border{ border-color:rgb(163, 244, 193) }
```

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

Here you see how a box with a 4 pixel rgb(163, 244, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 244, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 244, 193);  
box-shadow:4px 4px 4px 4px rgb(163, 244,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3382, 0.2918, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 244, 193) }
```

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

```
.background{ background-color: rgb(163,  
244, 193) }
```

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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