

# Converting Colors

$Yxy(73.8013, 0.2866, 0.3931)$

Have a look what the booklet for  
Yxy(73.8013, 0.2866, 0.3931)  
contains.

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# Color

**Yxy(73.8013, 0.2866, 0.3931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97F2BE
RGB	151, 242, 190
RGB Percent	59%, 95%, 75%
CMY	0.4079, 0.0510, 0.2548
CMYK	0.38, 0.00, 0.21, 0.05
HSL	146°, 78%, 77%
HSV	146°, 38%, 95%
XYZ	53.8068, 73.8013, 60.1337
YIQ	208.8630, -37.5440, -35.4640

# Conversions

## Conversions Part 2

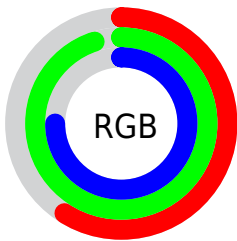
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 215, 242
Decimal	9958078
CIELab	88.83, -38.23, 16.65
CIElCh	89, 41.694, 156.465
Yxy	73.8013, 0.2866, 0.3931
Android (android.graphics.Color)	4288148158 (0xFF97F2BE)
YUV	208.8630, -9.2995, -50.7459
Hunter-Lab	85.9077, -38.5380, 18.6335

# Details

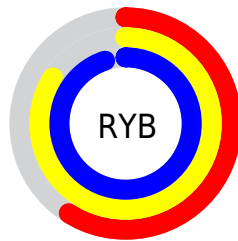
The Yxy color **73.8013, 0.2866, 0.3931** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.3144, 0.3523, 0.2731**, and the grayscale version is **63.7456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5837, 0.2896, 0.3383**, and **38.9909, 0.2796, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **71.1460, 0.2813, 0.4140**, and if you desaturate by 10%, it is **76.9952, 0.2929, 0.3737**.

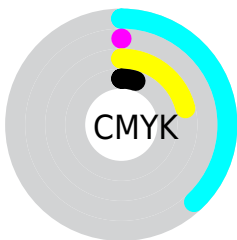
# Distribution



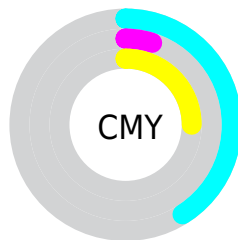
- Red (59%)
- Green (95%)
- Blue (75%)



- Red (59%)
- Yellow (84%)
- Blue (95%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)




- Cyan (41%)
- Magenta (5%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8013, 0.2866, 0.3931 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 73.8013, 0.2866, 0.3931 by changing the saturation by 10% instead.





 73.8013, 0.2866,  
0.3931

 73.8013, 0.2866,  
0.3931


473.7873, 0.2993,  
0.3621

 54.6314, 0.2835,  
0.4005


 124.6141, 0.2911,  
0.3821

 39.1067, 0.2797,  
0.4098


 157.0258, 0.2929,  
0.3779

 26.8427, 0.2746,  
0.4219


194.6203, 0.2943,  
0.3743

 17.4552, 0.2678,  
0.4381

237.7818, 0.2956,  
0.3712

 10.5595, 0.2581,  
0.4611

286.8949, 0.2967,  
0.3685

 5.7715, 0.2433,  
0.4959

342.3439, 0.2977,

 2.7066, 0.2181,

0.3661

0.5541

404.5133, 0.2985,  
0.3640

0.9806, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

73.8013, 0.2866,  
0.3931

73.8013, 0.2866,  
0.3931

71.1460, 0.2813,  
0.4140

76.9952, 0.2929,  
0.3737

68.9893, 0.2772,  
0.4361

80.7469, 0.2998,  
0.3559

67.3000, 0.2748,  
0.4587

85.0857, 0.3071,  
0.3400

66.0396, 0.2742,  
0.4811

90.0361, 0.3145,  
0.3258

■ 65.1627, 0.2756,  
0.5026

■ 91.9888, 0.3133,  
0.3165

■ 64.6094, 0.2788,  
0.5224

■ 64.5041, 0.2797,  
0.5268

# Harmonies

## Analogous

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



73.8013, 0.3357, 0.4183



73.8013, 0.2866, 0.3931



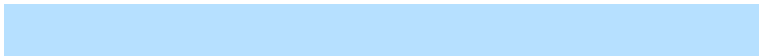
73.8013, 0.2466, 0.3462

# Triad

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



73.8013, 0.2866, 0.3931



73.8013, 0.2449, 0.2498



73.8013, 0.4094, 0.3475

# Complementary

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



73.8013, 0.2866, 0.3931



45.3144, 0.3523, 0.2731

# 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.



73.8013, 0.3813, 0.3084



73.8013, 0.2866, 0.3931



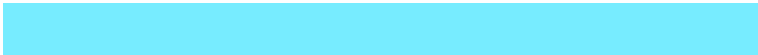
73.8013, 0.2839, 0.2545

# Square

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



73.8013, 0.2866, 0.3931



73.8013, 0.2243, 0.2642



73.8013, 0.3340, 0.2754



73.8013, 0.4085, 0.3856



# Rectangle

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



73.8013, 0.2866, 0.3931



73.8013, 0.2297, 0.3131



73.8013, 0.3340, 0.2754



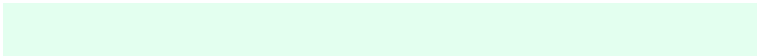
73.8013, 0.4030, 0.3342

# Sweetspot

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



73.8043, 0.2866, 0.3931



94.0736, 0.3046, 0.3452



78.5908, 0.3421, 0.4318



19.9917, 0.3036, 0.3474



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

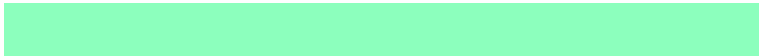


# Same Dimension

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



73.8043, 0.2866, 0.3931



80.8115, 0.2825, 0.4087



76.0506, 0.2639, 0.3377



17.7689, 0.3057, 0.3428



34.6758, 0.2788, 0.5238



2.9043, 0.2716, 0.4979



# Inverse Universe

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



45.3144, 0.3523, 0.2731



44.5351, 0.3636, 0.2621



43.4923, 0.3977, 0.3209



15.9102, 0.3204, 0.3156



11.1580, 0.4659, 0.2340

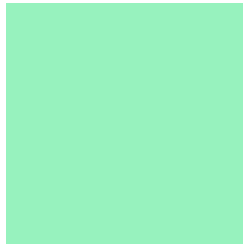


0.9481, 0.4415, 0.2206



# Previews

## White Background



This preview shows how the Yxy color 73.8013, 0.2866, 0.3931 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 73.8013, 0.2866, 0.3931 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

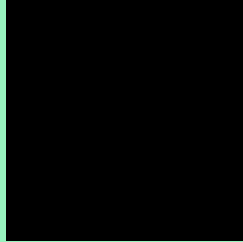
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8013, 0.2866, 0.3931**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8013, 0.2866, 0.3931.

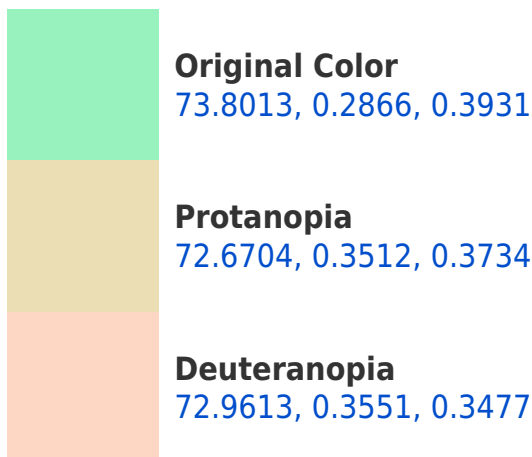


This preview shows how white text looks on a background with the Yxy color 73.8013, 0.2866, 0.3931.

# 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

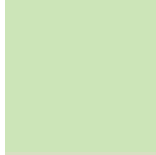
73.8732, 0.2611, 0.3085

# Trichromacy



## Original Color

73.8013, 0.2866, 0.3931



## Protanomaly

72.3367, 0.3241, 0.3808



## Deuteranomaly

71.8053, 0.3268, 0.3626



## Tritanomaly

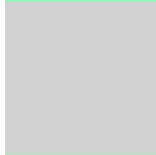
73.6991, 0.2705, 0.3383

# Monochromacy



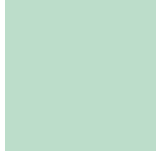
## Original Color

73.8013, 0.2866, 0.3931



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.6685, 0.3019, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8013, 0.2866, 0.3931 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(151, 242, 190)` looks like.

```
.text, #text, p{  
    color:rgb(151, 242, 190)  
}
```

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(151, 242, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 242, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8013, 0.2866, 0.3931 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(151, 242, 190) }
```

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

```
.border{ border-color:rgb(151, 242, 190) }
```

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

Here you see how a box with a 4 pixel rgb(151, 242, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 242, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 242, 190);  
box-shadow:4px 4px 4px 4px rgb(151, 242,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8013, 0.2866, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 242, 190) }
```

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

```
.background{ background-color: rgb(151,  
242, 190) }
```

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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