

# Converting Colors

$Yxy(77.5322, 0.2877, 0.4223)$

Have a look what the booklet for  
Yxy(77.5322, 0.2877, 0.4223)  
contains.

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# Color

**Yxy(77.5322, 0.2877, 0.4223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFBB0
RGB	138, 251, 176
RGB Percent	54%, 98%, 69%
CMY	0.4586, 0.0157, 0.3099
CMYK	0.45, 0.00, 0.30, 0.02
HSL	140°, 93%, 76%
HSV	140°, 45%, 98%
XYZ	52.8203, 77.5322, 53.2426
YIQ	208.6630, -43.2730, -47.2810

# Conversions

## Conversions Part 2

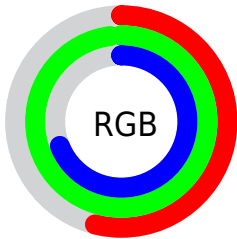
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 223, 251
Decimal	9108400
CIELab	90.57, -48.26, 26.17
CIELCh	91, 54.897, 151.531
Yxy	77.5322, 0.2877, 0.4223
Android (android.graphics.Color)	4287298480 (0xFF8AFBB0)
YUV	208.6630, -16.1029, -61.9715
Hunter-Lab	88.0524, -47.0142, 25.7858

# Details

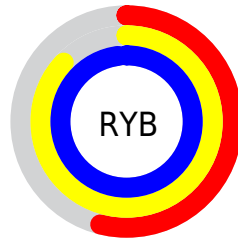
The Yxy color **77.5322, 0.2877, 0.4223** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.5120, 0.3528, 0.2521**, and the grayscale version is **63.6671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0820, 0.2902, 0.3537**, and **41.7191, 0.2805, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **75.0151, 0.2841, 0.4478**, and if you desaturate by 10%, it is **80.6314, 0.2924, 0.3981**.

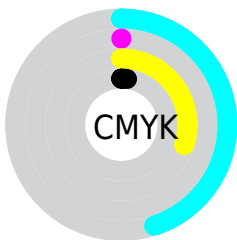
# Distribution



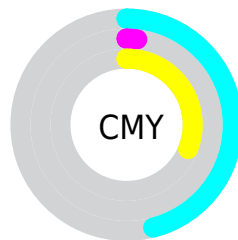
- Red (54%)
- Green (98%)
- Blue (69%)



- Red (54%)
- Yellow (87%)
- Blue (98%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (2%)




- Cyan (46%)
- Magenta (2%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5322, 0.2877, 0.4223 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 77.5322, 0.2877, 0.4223 by changing the saturation by 10% instead.





 77.5322, 0.2877,  
0.4223


 77.5322, 0.2877,  
0.4223

486.5767, 0.3005,  
0.3770

 57.6898, 0.2845,  
0.4332

 129.8905, 0.2924,  
0.4062

 41.5593, 0.2803,  
0.4468


 163.1751, 0.2941,  
0.4000

 28.7564, 0.2748,  
0.4645


201.7092, 0.2956,  
0.3947

 18.8966, 0.2671,  
0.4883

245.8773, 0.2969,  
0.3902

 11.5956, 0.2558,  
0.5217

296.0637, 0.2980,  
0.3863

 6.4689, 0.2380,  
0.5714

352.6528, 0.2989,

 3.1323, 0.2082,


0.3828


0.6558


416.0290, 0.2998,  
0.3797

 1.2012, 0.0000,  
1.0000


 0.0627, 0.0000,  
1.0000


 77.5322, 0.2877,  
0.4223

 77.5322, 0.2877,  
0.4223


 75.0151, 0.2841,  
0.4478


 80.6314, 0.2924,  
0.3981


 73.0331, 0.2818,  
0.4739

 84.3373, 0.2978,  
0.3757

 71.5473, 0.2813,  
0.4994

 88.6842, 0.3037,  
0.3554

 70.5091, 0.2825,  
0.5234

 93.7014, 0.3097,  
0.3373

■ 69.8588, 0.2854,  
0.5445

■ 97.4731, 0.3129,  
0.3252

■ 69.6374, 0.2872,  
0.5539

# Harmonies

## Analogous

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



77.5322, 0.3506, 0.4476



77.5322, 0.2877, 0.4223



77.5322, 0.2348, 0.3618

# Triad

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



77.5322, 0.2877, 0.4223



77.5322, 0.2209, 0.2302



77.5322, 0.4346, 0.3418

# Complementary

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



77.5322, 0.2877, 0.4223



43.5120, 0.3528, 0.2521

# 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.



77.5322, 0.3926, 0.2944



77.5322, 0.2877, 0.4223



77.5322, 0.2657, 0.2331

# Square

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



77.5322, 0.2877, 0.4223



77.5322, 0.1998, 0.2507



77.5322, 0.3284, 0.2560



77.5322, 0.4386, 0.3908



# Rectangle

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



77.5322, 0.2877, 0.4223



77.5322, 0.2115, 0.3169



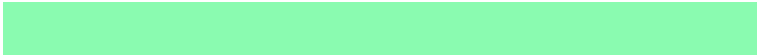
77.5322, 0.3284, 0.2560



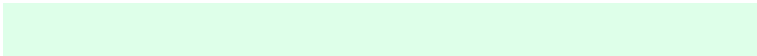
77.5322, 0.4244, 0.3255

# Sweetspot

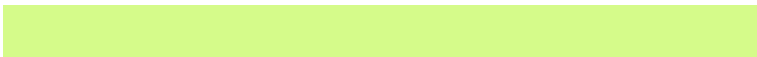
The Sweet Spot groups the original color and five complimentary colors.



77.5354, 0.2877, 0.4223



92.9079, 0.3048, 0.3516



85.0288, 0.3532, 0.4508



19.6540, 0.3035, 0.3558



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.



77.5354, 0.2877, 0.4223



77.9861, 0.2844, 0.4454



80.2379, 0.2606, 0.3509



19.4054, 0.3070, 0.3452



36.6291, 0.2864, 0.5509



3.4114, 0.2797, 0.5270



# Inverse Universe

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



43.5120, 0.3528, 0.2521



38.6447, 0.3643, 0.2381



41.1341, 0.4133, 0.3093



17.4197, 0.3190, 0.3134



12.2701, 0.4285, 0.2134

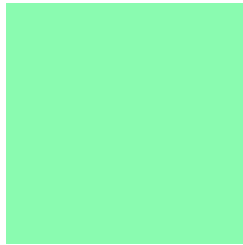


1.1561, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 77.5322, 0.2877, 0.4223 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 77.5322, 0.2877, 0.4223 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 77.5322, 0.2877, 0.4223**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5322, 0.2877, 0.4223.



This preview shows how white text looks on a background with the Yxy color 77.5322, 0.2877, 0.4223.

# 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

77.5322, 0.2877, 0.4223

### Protanopia

76.3424, 0.3671, 0.3931

### Deuteranopia

76.3865, 0.3560, 0.3546



## Tritanopia

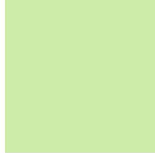
76.9151, 0.2628, 0.3100

# Trichromacy



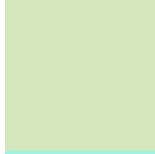
## Original Color

77.5322, 0.2877, 0.4223



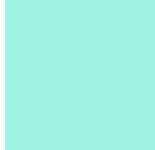
## Protanomaly

75.2604, 0.3334, 0.4044



## Deuteranomaly

74.7797, 0.3270, 0.3773



## Tritanomaly

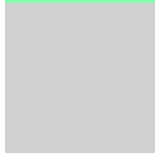
76.8613, 0.2717, 0.3488

# Monochromacy



## Original Color

77.5322, 0.2877, 0.4223



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

67.4098, 0.3016, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5322, 0.2877, 0.4223 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(138, 251, 176)` looks like.

```
.text, #text, p{  
    color:rgb(138, 251, 176)  
}
```

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(138, 251, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 251, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5322, 0.2877, 0.4223 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(138, 251, 176) }
```

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

```
.border{ border-color:rgb(138, 251, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 251, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 251, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 251, 176);  
box-shadow:4px 4px 4px 4px rgb(138, 251,  
176) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  77.5322, 0.2877, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 251, 176) }
```

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

```
.background{ background-color: rgb(138,  
251, 176) }
```

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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