

# Converting Colors

Yxy(77.6893, 0.2830, 0.4148)

Have a look what the booklet for  
Yxy(77.6893, 0.2830, 0.4148)  
contains.

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# Color

**Yxy(77.5227, 0.2832, 0.4148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87FBB6
RGB	135, 251, 182
RGB Percent	53%, 98%, 71%
CMY	0.4708, 0.0156, 0.2862
CMYK	0.46, 0.00, 0.27, 0.02
HSL	144°, 94%, 76%
HSV	144°, 46%, 98%
XYZ	52.9277, 77.5227, 56.4413
YIQ	208.4500, -46.9870, -46.0510

# Conversions

## Conversions Part 2

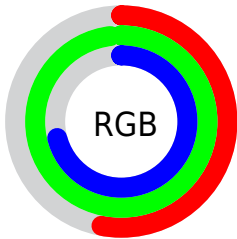
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 218, 251
Decimal	8911798
CIELab	90.56, -47.96, 23.07
CIElCh	91, 53.220, 154.315
Yxy	77.5227, 0.2832, 0.4148
Android (android.graphics.Color)	4287101878 (0xFF87FBB6)
YUV	208.4500, -13.0398, -64.4156
Hunter-Lab	88.0470, -46.7804, 23.6258

# Details

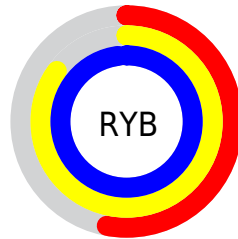
The Yxy color **77.5227, 0.2832, 0.4148** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.1813, 0.3626, 0.2578**, and the grayscale version is **63.4879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0305, 0.2854, 0.3472**, and **41.7051, 0.2751, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **75.0999, 0.2792, 0.4377**, and if you desaturate by 10%, it is **80.5082, 0.2885, 0.3931**.

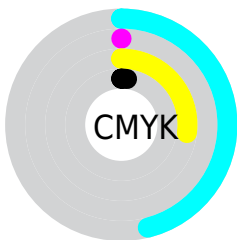
# Distribution



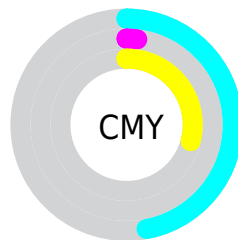
- Red (53%)
- Green (98%)
- Blue (71%)



- Red (53%)
- Yellow (85%)
- Blue (98%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)




- Cyan (47%)
- Magenta (2%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5227, 0.2832, 0.4148 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 77.5227, 0.2832, 0.4148 by changing the saturation by 10% instead.




 77.5227, 0.2832,  
0.4148


 77.5227, 0.2832,  
0.4148


486.5443, 0.2978,  
0.3732


 57.6820, 0.2796,  
0.4247


 129.8771, 0.2885,  
0.4000

 41.5530, 0.2750,  
0.4373


 163.1595, 0.2905,  
0.3944

 28.7515, 0.2691,  
0.4534

 201.6913, 0.2922,  
0.3896

 18.8929, 0.2609,  
0.4752

245.8568, 0.2936,  
0.3854

 11.5929, 0.2492,  
0.5058

296.0405, 0.2949,  
0.3818

 6.4671, 0.2311,  
0.5516


352.6267, 0.2960,


 3.1311, 0.2004,


0.3786


0.6264


415.9999, 0.2970,  
0.3758


 1.2006, 0.0000,  
1.0000


 0.0622, 0.0000,  
1.0000


 77.5227, 0.2832,  
0.4148

 77.5227, 0.2832,  
0.4148


 75.0999, 0.2792,  
0.4377

 80.5082, 0.2885,  
0.3931


 73.1933, 0.2767,  
0.4612

 84.0805, 0.2946,  
0.3730

 71.7642, 0.2760,  
0.4846

 88.2736, 0.3013,  
0.3547

 70.7639, 0.2773,  
0.5068

 93.1162, 0.3083,  
0.3383

■ 70.1323, 0.2804,  
0.5272

■ 97.4809, 0.3129,  
0.3252

■ 69.9564, 0.2818,  
0.5343

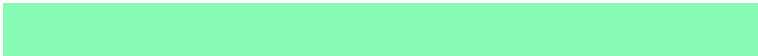
# Harmonies

## Analogous

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



77.5227, 0.3441, 0.4434



77.5227, 0.2832, 0.4148



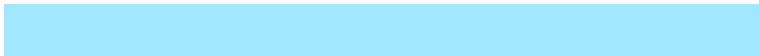
77.5227, 0.2333, 0.3547

# Triad

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



77.5227, 0.2832, 0.4148



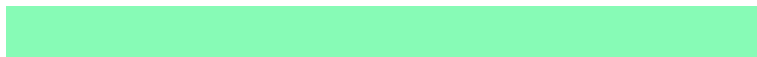
77.5227, 0.2265, 0.2322



77.5227, 0.4329, 0.3463

# Complementary

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



77.5227, 0.2832, 0.4148



42.1813, 0.3626, 0.2578

# 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.



77.5227, 0.3952, 0.2995



77.5227, 0.2832, 0.4148



77.5227, 0.2722, 0.2369

# Square

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



77.5227, 0.2832, 0.4148



77.5227, 0.2037, 0.2501



77.5227, 0.3340, 0.2609



77.5227, 0.4334, 0.3936



# Rectangle

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



77.5227, 0.2832, 0.4148



77.5227, 0.2121, 0.3118



77.5227, 0.3340, 0.2609



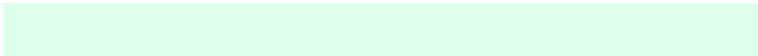
77.5227, 0.4241, 0.3302

# Sweetspot

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



77.5259, 0.2832, 0.4148



92.5545, 0.3029, 0.3509



83.6690, 0.3488, 0.4565



19.5907, 0.3014, 0.3546



0.0000, 0.0000, 0.0000

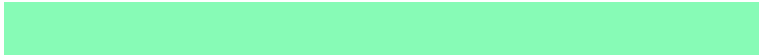


21.4041, 0.3127, 0.3290



# Same Dimension

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



77.5259, 0.2832, 0.4148



78.1125, 0.2796, 0.4349



80.4034, 0.2560, 0.3424



19.4259, 0.3060, 0.3434



36.7956, 0.2809, 0.5312



3.4283, 0.2743, 0.5075



# Inverse Universe

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



42.1813, 0.3626, 0.2578



37.5470, 0.3766, 0.2457



39.9174, 0.4264, 0.3171



17.3984, 0.3200, 0.3150



11.9540, 0.4566, 0.2289

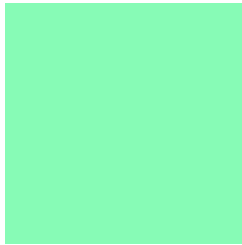


1.1282, 0.4359, 0.2175



# Previews

## White Background



This preview shows how the Yxy color 77.5227, 0.2832, 0.4148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

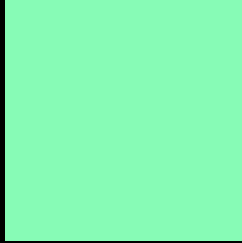
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.5227, 0.2832, 0.4148 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

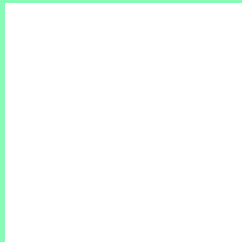
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.5227, 0.2832, 0.4148**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5227, 0.2832, 0.4148.

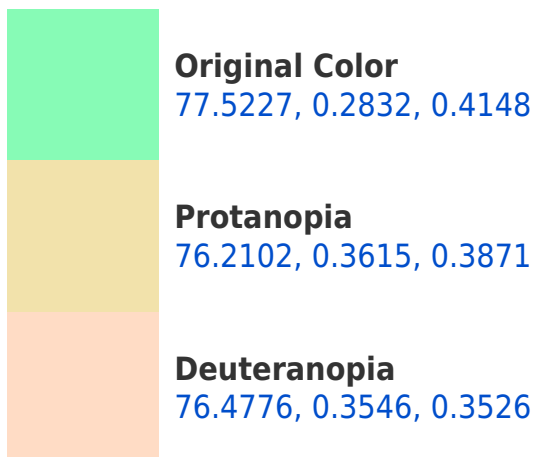


This preview shows how white text looks on a background with the Yxy color 77.5227, 0.2832, 0.4148.

# 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

77.3880, 0.2624, 0.3111

# Trichromacy



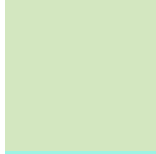
## Original Color

77.5227, 0.2832, 0.4148



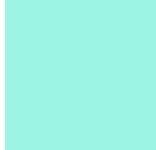
## Protanomaly

75.2083, 0.3283, 0.3977



## Deuteranomaly

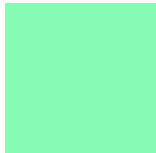
74.8065, 0.3237, 0.3728



## Tritanomaly

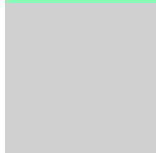
76.8707, 0.2702, 0.3464

# Monochromacy



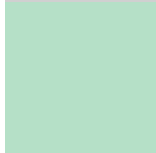
## Original Color

77.5227, 0.2832, 0.4148



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.2586, 0.2990, 0.3590

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5227, 0.2832, 0.4148 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(135, 251, 182)` looks like.

```
.text, #text, p{  
    color:rgb(135, 251, 182)  
}
```

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(135, 251, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 251, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5227, 0.2832, 0.4148 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(135, 251, 182) }
```

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

```
.border{ border-color:rgb(135, 251, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 251, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 251, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 251, 182);  
box-shadow:4px 4px 4px 4px rgb(135, 251,  
182) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 77.5227, 0.2832, 0.4148$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 251, 182) }
```

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

```
.background{ background-color: rgb(135,  
251, 182) }
```

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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