

# Converting Colors

$Y_{xy}(71.8101, 0.2819, 0.3912)$

Have a look what the booklet for  
Yxy(71.8101, 0.2819, 0.3912)  
contains.

<b>Yxy(71.8775, 0.2822, 0.3917)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(71.8775, 0.2822, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FF0BE
RGB	143, 240, 190
RGB Percent	56%, 94%, 75%
CMY	0.4391, 0.0588, 0.2550
CMYK	0.40, 0.00, 0.21, 0.06
HSL	149°, 76%, 75%
HSV	149°, 40%, 94%
XYZ	51.7841, 71.8775, 59.8398
YIQ	205.2970, -41.7620, -36.1140

# Conversions

## Conversions Part 2

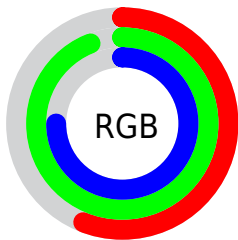
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 208, 240
Decimal	9433278
CIELab	87.91, -39.51, 15.33
CIELCh	88, 42.384, 158.793
Yxy	71.8775, 0.2822, 0.3917
Android (android.graphics.Color)	4287623358 (0xFF8FF0BE)
YUV	205.2970, -7.5414, -54.6345
Hunter-Lab	84.7806, -39.3380, 17.4984

# Details

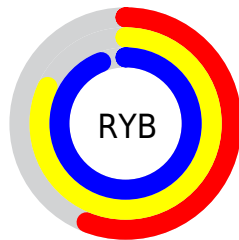
The Yxy color **71.8775, 0.2822, 0.3917** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.0366, 0.3618, 0.2745**, and the grayscale version is **61.3239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4532, 0.2851, 0.3384**, and **37.6994, 0.2738, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **69.4433, 0.2767, 0.4108**, and if you desaturate by 10%, it is **74.8218, 0.2889, 0.3739**.

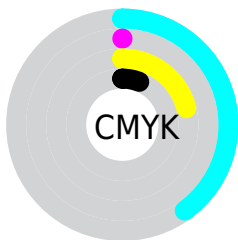
# Distribution



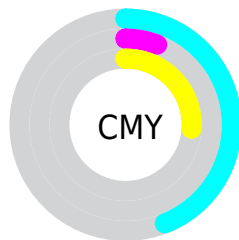
- Red (56%)
- Green (94%)
- Blue (75%)



- Red (56%)
- Yellow (82%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (6%)




- Cyan (44%)
- Magenta (6%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8775, 0.2822, 0.3917 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 71.8775, 0.2822, 0.3917 by changing the saturation by 10% instead.





 71.8775, 0.2822,  
0.3917

 71.8775, 0.2822,  
0.3917


467.1151, 0.2970,  
0.3613

 53.0586, 0.2787,  
0.3990

 121.8824, 0.2875,  
0.3809

 37.8496, 0.2742,  
0.4082


 153.8371, 0.2895,  
0.3767

 25.8660, 0.2684,  
0.4202

190.9393, 0.2912,  
0.3732

 16.7234, 0.2606,  
0.4363

233.5732, 0.2926,  
0.3702

 10.0375, 0.2496,  
0.4593

282.1234, 0.2939,  
0.3675

 5.4238, 0.2327,  
0.4943

336.9742, 0.2951,

 2.4980, 0.2044,

0.3652

0.5536

398.5100, 0.2961,  
0.3631

0.8756, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

71.8775, 0.2822,  
0.3917

71.8775, 0.2822,  
0.3917

69.4433, 0.2767,  
0.4108

74.8218, 0.2889,  
0.3739

67.4797, 0.2726,  
0.4308


78.2954, 0.2963,  
0.3575


65.9557, 0.2702,  
0.4513


82.3270, 0.3042,  
0.3427

64.8322, 0.2699,  
0.4716

86.9408, 0.3124,  
0.3295

 64.0631, 0.2716,  
0.4912

 90.6021, 0.3153,  
0.3176

 63.5853, 0.2747,  
0.5089

 90.8008, 0.3134,  
0.3146

# Harmonies

## Analogous

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



71.8775, 0.3322, 0.4198



71.8775, 0.2822, 0.3917



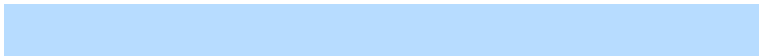
71.8775, 0.2425, 0.3426

# Triad

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



71.8775, 0.2822, 0.3917



71.8775, 0.2458, 0.2477



71.8775, 0.4129, 0.3509

# Complementary

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



71.8775, 0.2822, 0.3917



42.0366, 0.3618, 0.2745

# 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.



71.8775, 0.3862, 0.3108



71.8775, 0.2822, 0.3917



71.8775, 0.2868, 0.2539

# Square

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



71.8775, 0.2822, 0.3917



71.8775, 0.2232, 0.2607



71.8775, 0.3386, 0.2764



71.8775, 0.4096, 0.3896



# Rectangle

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



71.8775, 0.2822, 0.3917



71.8775, 0.2264, 0.3088



71.8775, 0.3386, 0.2764



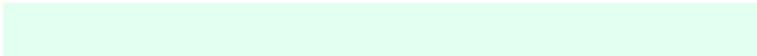
71.8775, 0.4072, 0.3373

# Sweetspot

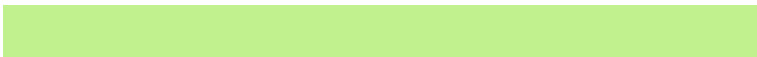
The Sweet Spot groups the original color and five complimentary colors.



71.8804, 0.2822, 0.3917



93.6757, 0.3029, 0.3451



75.6607, 0.3394, 0.4416



19.9157, 0.3019, 0.3469



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.



71.8804, 0.2822, 0.3917



80.2727, 0.2778, 0.4064



74.3599, 0.2579, 0.3307



17.7839, 0.3050, 0.3414



34.8339, 0.2739, 0.5060



2.9179, 0.2671, 0.4815



# Inverse Universe

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



42.0366, 0.3618, 0.2745



41.9004, 0.3756, 0.2645



40.2167, 0.4141, 0.3275



15.8951, 0.3212, 0.3169



10.9626, 0.4890, 0.2468

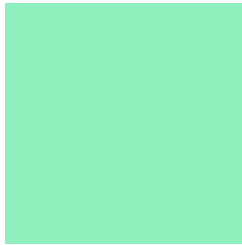


0.9321, 0.4609, 0.2312



# Previews

## White Background



This preview shows how the Yxy color 71.8775, 0.2822, 0.3917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

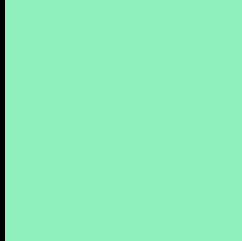
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8775, 0.2822, 0.3917 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 71.8775, 0.2822, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8775, 0.2822, 0.3917.

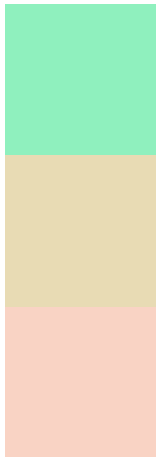


This preview shows how white text looks on a background with the Yxy color 71.8775, 0.2822, 0.3917.

# 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

71.8775, 0.2822, 0.3917

### Protanopia

71.1141, 0.3494, 0.3717

### Deuteranopia

70.7138, 0.3526, 0.3448



## Tritanopia

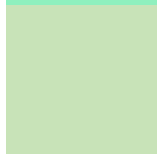
71.7835, 0.2577, 0.3082

# Trichromacy



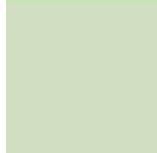
## Original Color

71.8775, 0.2822, 0.3917



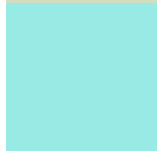
## Protanomaly

70.6782, 0.3215, 0.3791



## Deuteranomaly

69.8392, 0.3227, 0.3609



## Tritanomaly

71.6935, 0.2665, 0.3372

# Monochromacy



## Original Color

71.8775, 0.2822, 0.3917



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

64.2580, 0.2991, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8775, 0.2822, 0.3917 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(143, 240, 190)` looks like.

```
.text, #text, p{  
    color:rgb(143, 240, 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(143, 240, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 240, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8775, 0.2822, 0.3917 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(143, 240, 190) }
```

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

```
.border{ border-color:rgb(143, 240, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 240, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 240, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 240, 190); box-shadow:4px 4px 4px 4px rgb(143, 240, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8775, 0.2822, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 240, 190) }
```

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

```
.background{ background-color: rgb(143,  
240, 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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