

# Converting Colors

$Yxy(70.7868, 0.2792, 0.4096)$

Have a look what the booklet for  
Yxy(70.7868, 0.2792, 0.4096)  
contains.

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# Color

**Yxy(70.6009, 0.2793, 0.4092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EF1B3
RGB	126, 241, 179
RGB Percent	49%, 95%, 70%
CMY	0.5062, 0.0548, 0.2980
CMYK	0.48, 0.00, 0.26, 0.05
HSL	148°, 80%, 72%
HSV	148°, 48%, 95%
XYZ	48.1887, 70.6009, 53.7443
YIQ	199.5470, -48.6380, -43.6620

# Conversions

## Conversions Part 2

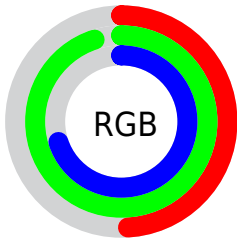
Format	Color
<b>RYB</b>	126, 205, 241
Decimal	8319411
CIELab	87.29, -46.53, 20.03
CIELCh	87, 50.653, 156.709
Yxy	70.6009, 0.2793, 0.4092
Android (android.graphics.Color)	4286509491 (0xFF7EF1B3)
YUV	199.5470, -10.1297, -64.5007
Hunter-Lab	84.0243, -44.6712, 20.8935

# Details

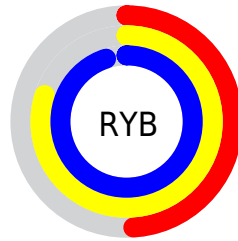
The Yxy color **70.6009, 0.2793, 0.4092** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.2322, 0.3719, 0.2623**, and the grayscale version is **57.5424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7085, 0.2820, 0.3508**, and **36.9456, 0.2700, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **68.4875, 0.2750, 0.4299**, and if you desaturate by 10%, it is **73.2107, 0.2850, 0.3895**.

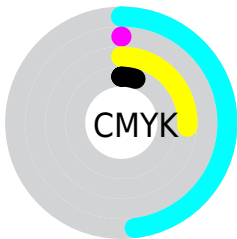
# Distribution



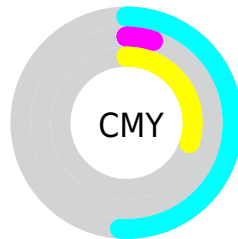
- Red (49%)
- Green (95%)
- Blue (70%)



- Red (49%)
- Yellow (80%)
- Blue (95%)



- Cyan (48%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)



- Cyan (51%)
- Magenta (5%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6009, 0.2793, 0.4092 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 70.6009, 0.2793, 0.4092 by changing the saturation by 10% instead.




 70.6009, 0.2793,  
0.4092


 70.6009, 0.2793,  
0.4092


462.6571, 0.2958,  
0.3698


 52.0166, 0.2752,  
0.4188


 120.0653, 0.2853,  
0.3951

 37.0183, 0.2701,  
0.4309


 151.7141, 0.2875,  
0.3897

 25.2216, 0.2633,  
0.4468


 188.4866, 0.2894,  
0.3852

 16.2423, 0.2540,  
0.4684

230.7671, 0.2911,  
0.3812

 9.6957, 0.2407,  
0.4993

278.9400, 0.2925,  
0.3778

 5.1977, 0.2199,  
0.5469

333.3897, 0.2937,

 2.3637, 0.1832,

0.3748

0.6335

394.5006, 0.2949,  
0.3722

0.8071, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

70.6009, 0.2793,  
0.4092

70.6009, 0.2793,  
0.4092

68.4875, 0.2750,  
0.4299

73.2107, 0.2850,  
0.3895

66.8282, 0.2723,  
0.4513


76.3386, 0.2916,  
0.3713


65.5880, 0.2716,  
0.4725


80.0153, 0.2989,  
0.3546

64.7221, 0.2729,  
0.4931

84.2666, 0.3066,  
0.3395

 64.1709, 0.2760,  
0.5123

 89.1165, 0.3145,  
0.3261

 64.0705, 0.2768,  
0.5164

 91.3986, 0.3133,  
0.3156

# Harmonies

## Analogous

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



70.6009, 0.3389, 0.4405



70.6009, 0.2793, 0.4092



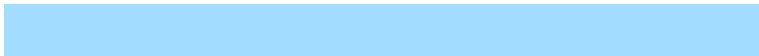
70.6009, 0.2316, 0.3491

# Triad

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



70.6009, 0.2793, 0.4092



70.6009, 0.2307, 0.2333



70.6009, 0.4322, 0.3500

# Complementary

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



70.6009, 0.2793, 0.4092



37.2322, 0.3719, 0.2623

# 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.



70.6009, 0.3978, 0.3036



70.6009, 0.2793, 0.4092



70.6009, 0.2774, 0.2396

# Square

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



70.6009, 0.2793, 0.4092



70.6009, 0.2063, 0.2492



70.6009, 0.3388, 0.2646



70.6009, 0.4298, 0.3963



# Rectangle

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



70.6009, 0.2793, 0.4092



70.6009, 0.2120, 0.3076



70.6009, 0.3388, 0.2646



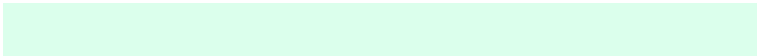
70.6009, 0.4246, 0.3341

# Sweetspot

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



70.6038, 0.2793, 0.4092



92.6694, 0.3018, 0.3488



75.2703, 0.3456, 0.4623



19.6186, 0.3001, 0.3521



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.



70.6038, 0.2793, 0.4092



77.9752, 0.2752, 0.4287



73.3615, 0.2521, 0.3358



17.7777, 0.3053, 0.3420



34.7662, 0.2760, 0.5135



2.9121, 0.2690, 0.4883



# Inverse Universe

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



37.2322, 0.3719, 0.2623



35.9649, 0.3896, 0.2509



35.2620, 0.4387, 0.3231



15.9012, 0.3209, 0.3163



11.0399, 0.4795, 0.2415

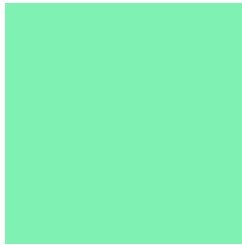


0.9385, 0.4528, 0.2268



# Previews

## White Background



This preview shows how the Yxy color 70.6009, 0.2793, 0.4092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

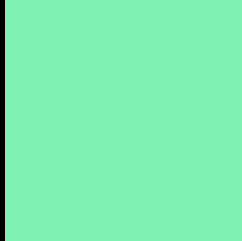
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6009, 0.2793, 0.4092 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 70.6009, 0.2793, 0.4092**

## Background



This preview shows how black text looks on a background with the Yxy color 70.6009, 0.2793, 0.4092.

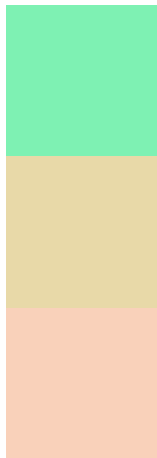


This preview shows how white text looks on a background with the Yxy color 70.6009, 0.2793, 0.4092.

# 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

70.6009, 0.2793, 0.4092

### Protanopia

69.6087, 0.3584, 0.3829

### Deuteranopia

69.2858, 0.3607, 0.3533



## Tritanopia

70.5446, 0.2514, 0.3078

# Trichromacy



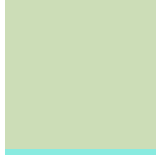
## Original Color

70.6009, 0.2793, 0.4092



## Protanomaly

68.7087, 0.3243, 0.3934



## Deuteranomaly

67.9692, 0.3257, 0.3733



## Tritanomaly

70.1168, 0.2611, 0.3423

# Monochromacy



## Original Color

70.6009, 0.2793, 0.4092



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.2909, 0.2979, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6009, 0.2793, 0.4092 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(126, 241, 179)` looks like.

```
.text, #text, p{  
    color:rgb(126, 241, 179)  
}
```

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(126, 241, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 241, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6009, 0.2793, 0.4092 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(126, 241, 179) }
```

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

```
.border{ border-color:rgb(126, 241, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 241, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 241, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 241, 179);  
box-shadow:4px 4px 4px 4px rgb(126, 241,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6009, 0.2793, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 241, 179) }
```

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

```
.background{ background-color: rgb(126,  
241, 179) }
```

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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