

# Converting Colors

$Yxy(70.0643, 0.2837, 0.4273)$

Have a look what the booklet for  
Yxy(70.0643, 0.2837, 0.4273)  
contains.

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# Color

**Yxy(69.8013, 0.2840, 0.4275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AF1A6
RGB	122, 241, 166
RGB Percent	48%, 95%, 65%
CMY	0.5213, 0.0549, 0.3490
CMYK	0.49, 0.00, 0.31, 0.05
HSL	142°, 81%, 71%
HSV	142°, 49%, 95%
XYZ	46.3709, 69.8013, 47.1057
YIQ	196.8690, -46.8490, -48.5530

# Conversions

## Conversions Part 2

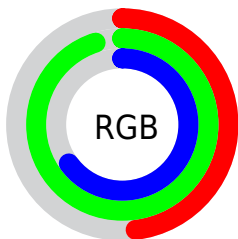
Format	Color
<b>RYB</b>	122, 209, 241
Decimal	8057254
CIELab	86.90, -49.92, 26.15
CIELCh	87, 56.350, 152.352
Yxy	69.8013, 0.2840, 0.4275
Android (android.graphics.Color)	4286247334 (0xFF7AF1A6)
YUV	196.8690, -15.2184, -65.6601
Hunter-Lab	83.5472, -47.1353, 25.0541

# Details

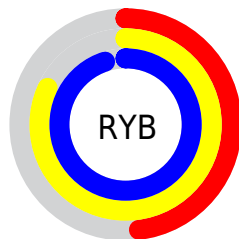
The Yxy color **69.8013, 0.2840, 0.4275** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.6691, 0.3625, 0.2492**, and the grayscale version is **55.8771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4438, 0.2871, 0.3669**, and **36.4880, 0.2749, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **67.7314, 0.2807, 0.4520**, and if you desaturate by 10%, it is **72.3790, 0.2886, 0.4040**.

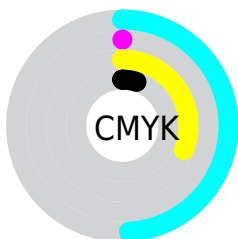
# Distribution



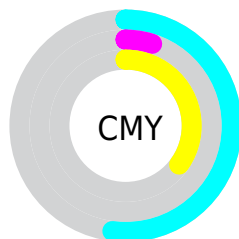
- Red (48%)
- Green (95%)
- Blue (65%)



- Red (48%)
- Yellow (82%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)




- Cyan (52%)
- Magenta (5%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8013, 0.2840, 0.4275 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 69.8013, 0.2840, 0.4275 by changing the saturation by 10% instead.




 69.8013, 0.2840,  
0.4275


 69.8013, 0.2840,  
0.4275


459.8520, 0.2989,  
0.3786

 51.3646, 0.2802,  
0.4395


 118.9254, 0.2895,  
0.4099

 36.4988, 0.2752,  
0.4547


 150.3815, 0.2915,  
0.4032

 24.8197, 0.2685,  
0.4747


 186.9461, 0.2933,  
0.3976

 15.9428, 0.2591,  
0.5020

229.0038, 0.2947,  
0.3927

 9.4837, 0.2451,  
0.5411

276.9388, 0.2960,  
0.3885

 5.0580, 0.2223,  
0.6010

331.1356, 0.2971,

 2.2813, 0.1835,

0.3848

0.7480

391.9785, 0.2980,  
0.3815

0.7638, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.8013, 0.2840,  
0.4275

69.8013, 0.2840,  
0.4275

67.7314, 0.2807,  
0.4520

72.3790, 0.2886,  
0.4040

66.1256, 0.2789,  
0.4768

75.4877, 0.2941,  
0.3821


64.9469, 0.2790,  
0.5009


79.1590, 0.3002,  
0.3621


64.1482, 0.2809,  
0.5234

83.4199, 0.3066,  
0.3440

 63.6572, 0.2843,  
0.5432

 88.2955, 0.3131,  
0.3280

 63.6304, 0.2846,  
0.5444

 91.3885, 0.3133,  
0.3156

# Harmonies

## Analogous

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



69.8013, 0.3504, 0.4554



69.8013, 0.2840, 0.4275



69.8013, 0.2288, 0.3617

# Triad

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



69.8013, 0.2840, 0.4275



69.8013, 0.2167, 0.2245



69.8013, 0.4430, 0.3433

# Complementary

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



69.8013, 0.2840, 0.4275



36.6691, 0.3625, 0.2492

# 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.



69.8013, 0.3993, 0.2935



69.8013, 0.2840, 0.4275



69.8013, 0.2644, 0.2283

# Square

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



69.8013, 0.2840, 0.4275



69.8013, 0.1940, 0.2449



69.8013, 0.3311, 0.2529



69.8013, 0.4456, 0.3948



# Rectangle

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



69.8013, 0.2840, 0.4275



69.8013, 0.2050, 0.3139



69.8013, 0.3311, 0.2529



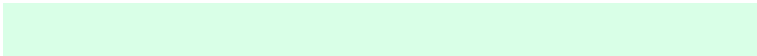
69.8013, 0.4326, 0.3261

# Sweetspot

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



69.8042, 0.2840, 0.4275



91.9962, 0.3029, 0.3541



76.2381, 0.3533, 0.4637



19.4772, 0.3016, 0.3580



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.



69.8042, 0.2840, 0.4275



77.0388, 0.2807, 0.4516



72.4947, 0.2551, 0.3483



17.7530, 0.3065, 0.3443



34.5303, 0.2837, 0.5414



2.8912, 0.2764, 0.5149



# Inverse Universe

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



36.6691, 0.3625, 0.2492



35.4147, 0.3770, 0.2358



34.4680, 0.4330, 0.3121



15.9266, 0.3195, 0.3142



11.3967, 0.4416, 0.2206

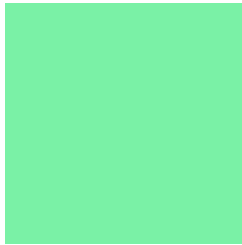


0.9672, 0.4214, 0.2095



# Previews

## White Background



This preview shows how the Yxy color 69.8013, 0.2840, 0.4275 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 69.8013, 0.2840, 0.4275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

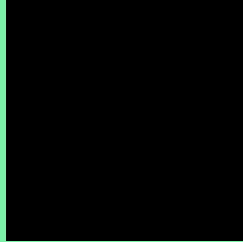
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

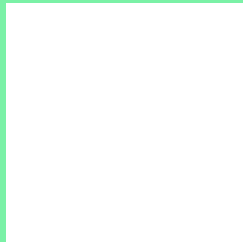
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8013, 0.2840, 0.4275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8013, 0.2840, 0.4275.

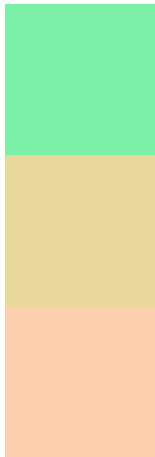


This preview shows how white text looks on a background with the Yxy color 69.8013, 0.2840, 0.4275.

# 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

69.8013, 0.2840, 0.4275

### Protanopia

68.8019, 0.3687, 0.3959

### Deuteranopia

68.8243, 0.3733, 0.3657



## Tritanopia

69.2728, 0.2510, 0.3065

# Trichromacy



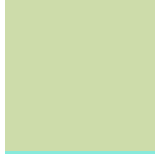
## Original Color

69.8013, 0.2840, 0.4275



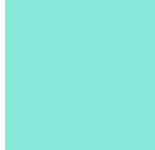
## Protanomaly

67.6911, 0.3327, 0.4082



## Deuteranomaly

67.0678, 0.3354, 0.3877



## Tritanomaly

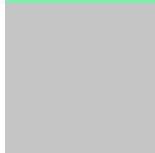
69.1110, 0.2624, 0.3474

# Monochromacy



## Original Color

69.8013, 0.2840, 0.4275



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

59.6797, 0.2997, 0.3633

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  69.8013, 0.2840, 0.4275 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(122, 241, 166)` looks like.

```
.text, #text, p{  
    color:rgb(122, 241, 166)  
}
```

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(122, 241, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 241, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8013, 0.2840, 0.4275 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(122, 241, 166) }
```

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

```
.border{ border-color:rgb(122, 241, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 241, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 241, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 241, 166);  
box-shadow:4px 4px 4px 4px rgb(122, 241,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8013, 0.2840, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 241, 166) }
```

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

```
.background{ background-color: rgb(122,  
241, 166) }
```

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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