

# Converting Colors

Yxy(69.0873, 0.2843, 0.4166)

Have a look what the booklet for  
Yxy(69.0873, 0.2843, 0.4166)  
contains.

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# Color

**Yxy(69.3404, 0.2847, 0.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81EFAB
RGB	129, 239, 171
RGB Percent	51%, 94%, 67%
CMY	0.4941, 0.0627, 0.3293
CMYK	0.46, 0.00, 0.28, 0.06
HSL	143°, 77%, 72%
HSV	143°, 46%, 94%
XYZ	47.2730, 69.3404, 49.4316
YIQ	198.3580, -43.7320, -44.4680

# Conversions

## Conversions Part 2

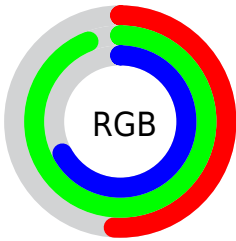
Format	Color
<a href="#">RYB</a>	<a href="#">129, 209, 239</a>
Decimal	<a href="#">8515499</a>
CIELab	<a href="#">86.67, -46.40, 23.31</a>
CIElCh	<a href="#">87, 51.926, 153.329</a>
Yxy	<a href="#">69.3404, 0.2847, 0.4176</a>
Android (android.graphics.Color)	<a href="#">4286705579</a> ( <a href="#">0xFF81EFAB</a> )
YUV	<a href="#">198.3580, -13.4875, -60.8270</a>
Hunter-Lab	<a href="#">83.2709, -44.3893, 23.0936</a>

# Details

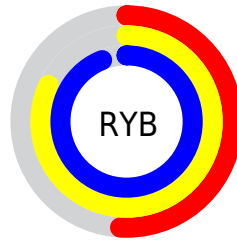
The Yxy color **69.3404, 0.2847, 0.4176** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.0848, 0.3593, 0.2557**, and the grayscale version is **56.8085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6308, 0.2878, 0.3597**, and **36.1035, 0.2769, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **67.1529, 0.2808, 0.4413**, and if you desaturate by 10%, it is **72.0342, 0.2898, 0.3951**.

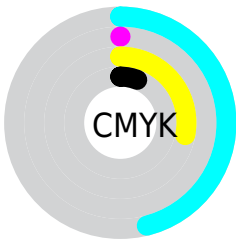
# Distribution



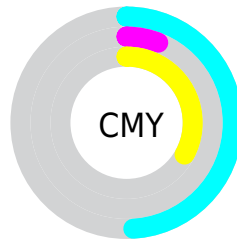
- Red (51%)
- Green (94%)
- Blue (67%)



- Red (51%)
- Yellow (82%)
- Blue (94%)



- Cyan (46%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)




- Cyan (49%)
- Magenta (6%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3404, 0.2847, 0.4176 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 69.3404, 0.2847, 0.4176 by changing the saturation by 10% instead.




 69.3404, 0.2847,  
0.4176

 69.3404, 0.2847,  
0.4176


458.2306, 0.2990,  
0.3738

 50.9890, 0.2811,  
0.4283

 118.2676, 0.2899,  
0.4018

 36.1998, 0.2764,  
0.4420


 149.6122, 0.2919,  
0.3959

 24.5886, 0.2702,  
0.4598


 186.0567, 0.2935,  
0.3908

 15.7708, 0.2615,  
0.4842

227.9854, 0.2950,  
0.3864

 9.3621, 0.2486,  
0.5192

275.7828, 0.2962,  
0.3827

 4.9781, 0.2278,  
0.5732

329.8332, 0.2972,

 2.2344, 0.1921,

0.3793

0.6905

390.5210, 0.2982,  
0.3764

0.7387, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.3404, 0.2847,  
0.4176

69.3404, 0.2847,  
0.4176

67.1529, 0.2808,  
0.4413

72.0342, 0.2898,  
0.3951

65.4302, 0.2784,  
0.4657


75.2556, 0.2956,  
0.3742


64.1379, 0.2778,  
0.4897

79.0352, 0.3020,  
0.3553


63.2328, 0.2791,  
0.5126

83.3984, 0.3087,  
0.3383

 62.6617, 0.2821,  
0.5332

 88.3693, 0.3154,  
0.3232

 62.4945, 0.2836,  
0.5408

 90.2141, 0.3134,  
0.3136

# Harmonies

## Analogous

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



69.3404, 0.3464, 0.4451



69.3404, 0.2847, 0.4176



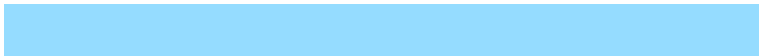
69.3404, 0.2336, 0.3572

# Triad

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



69.3404, 0.2847, 0.4176



69.3404, 0.2244, 0.2313



69.3404, 0.4338, 0.3447

# Complementary

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



69.3404, 0.2847, 0.4176



38.0848, 0.3593, 0.2557

# 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.



69.3404, 0.3945, 0.2977



69.3404, 0.2847, 0.4176



69.3404, 0.2699, 0.2354

# Square

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



69.3404, 0.2847, 0.4176



69.3404, 0.2022, 0.2502



69.3404, 0.3321, 0.2591



69.3404, 0.4354, 0.3928



# Rectangle

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



69.3404, 0.2847, 0.4176



69.3404, 0.2117, 0.3136



69.3404, 0.3321, 0.2591



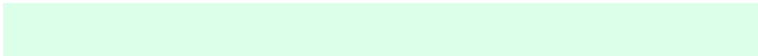
69.3404, 0.4245, 0.3285

# Sweetspot

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



69.3432, 0.2847, 0.4176



92.5062, 0.3033, 0.3518



75.4166, 0.3512, 0.4544



19.5790, 0.3019, 0.3556



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.



69.3432, 0.2847, 0.4176



77.9871, 0.2811, 0.4393



71.8021, 0.2580, 0.3468



17.7563, 0.3064, 0.3440



34.5589, 0.2827, 0.5378



2.8938, 0.2754, 0.5114



# Inverse Universe

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



38.0848, 0.3593, 0.2557



37.7017, 0.3729, 0.2426



36.0579, 0.4207, 0.3131



15.9231, 0.3196, 0.3145



11.3439, 0.4466, 0.2234

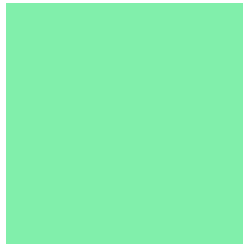


0.9630, 0.4256, 0.2118



# Previews

## White Background



This preview shows how the Yxy color 69.3404, 0.2847, 0.4176 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 69.3404, 0.2847, 0.4176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

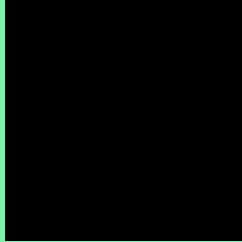
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3404, 0.2847, 0.4176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3404, 0.2847, 0.4176.

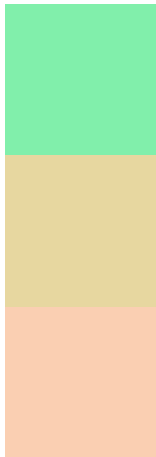


This preview shows how white text looks on a background with the Yxy color 69.3404, 0.2847, 0.4176.

# 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

69.3404, 0.2847, 0.4176

### Protanopia

68.1279, 0.3639, 0.3898

### Deuteranopia

68.1640, 0.3681, 0.3596



## Tritanopia

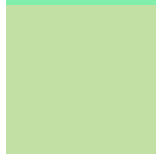
69.1118, 0.2536, 0.3066

# Trichromacy



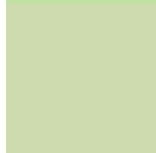
## Original Color

69.3404, 0.2847, 0.4176



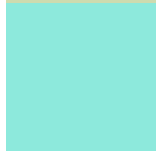
## Protanomaly

67.4610, 0.3304, 0.4009



## Deuteranomaly

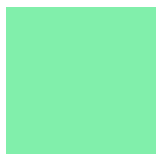
66.8800, 0.3329, 0.3805



## Tritanomaly

69.1079, 0.2647, 0.3448

# Monochromacy



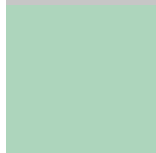
## Original Color

69.3404, 0.2847, 0.4176



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

60.1036, 0.3005, 0.3605

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3404, 0.2847, 0.4176 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(129, 239, 171)` looks like.

```
.text, #text, p{  
    color:rgb(129, 239, 171)  
}
```

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(129, 239, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 239, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3404, 0.2847, 0.4176 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(129, 239, 171) }
```

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

```
.border{ border-color:rgb(129, 239, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 239, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 239, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 239, 171); box-shadow:4px 4px 4px 4px rgb(129, 239, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3404, 0.2847, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 239, 171) }
```

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

```
.background{ background-color: rgb(129,  
239, 171) }
```

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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