

# Converting Colors

$Yxy(67.2426, 0.2973, 0.4236)$

Have a look what the booklet for  
Yxy(67.2426, 0.2973, 0.4236)  
contains.

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# Color

**Yxy(67.2585, 0.2974, 0.4239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FEAA1
RGB	143, 234, 161
RGB Percent	56%, 92%, 63%
CMY	0.4391, 0.0824, 0.3686
CMYK	0.39, 0.00, 0.31, 0.08
HSL	132°, 68%, 74%
HSV	132°, 39%, 92%
XYZ	47.1873, 67.2585, 44.2202
YIQ	198.4690, -30.8030, -41.9950

# Conversions

## Conversions Part 2

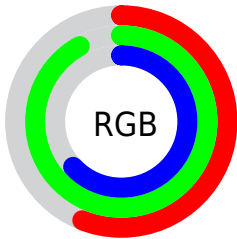
Format	Color
<a href="#">RYB</a>	<a href="#">143, 219, 234</a>
Decimal	<a href="#">9431713</a>
CIELab	<a href="#">85.63, -42.17, 27.12</a>
CIELCh	<a href="#">86, 50.136, 147.251</a>
Yxy	<a href="#">67.2585, 0.2974, 0.4239</a>
Android (android.graphics.Color)	<a href="#">4287621793</a> ( <a href="#">0xFF8FEAA1</a> )
YUV	<a href="#">198.4690, -18.4722, -48.6463</a>
Hunter-Lab	<a href="#">82.0113, -40.8153, 25.4389</a>

# Details

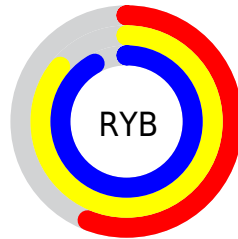
The Yxy color **67.2585, 0.2974, 0.4239** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.1022, 0.3335, 0.2500**, and the grayscale version is **56.9060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7572, 0.3011, 0.3713**, and **35.0196, 0.2920, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **64.7724, 0.2943, 0.4537**, and if you desaturate by 10%, it is **70.2853, 0.3011, 0.3958**.

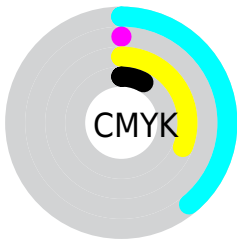
# Distribution



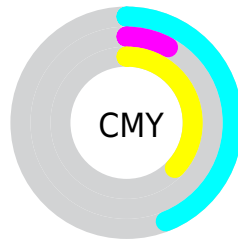
- Red (56%)
- Green (92%)
- Blue (63%)



- Red (56%)
- Yellow (86%)
- Blue (92%)



- Cyan (39%)
- Magenta (0%)
- Yellow (31%)
- Black (8%)




- Cyan (44%)
- Magenta (8%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2585, 0.2974, 0.4239 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 67.2585, 0.2974, 0.4239 by changing the saturation by 10% instead.





 67.2585, 0.2974,  
0.4239


 67.2585, 0.2974,  
0.4239


450.8643, 0.3060,  
0.3767

 49.2947, 0.2950,  
0.4355


 115.2907, 0.3007,  
0.4069

 34.8533, 0.2918,  
0.4503


 146.1280, 0.3019,  
0.4005

 23.5499, 0.2873,  
0.4696


182.0252, 0.3029,  
0.3950

 15.0001, 0.2808,  
0.4961

223.3668, 0.3037,  
0.3903

 8.8194, 0.2703,  
0.5341

270.5371, 0.3044,  
0.3863

 4.6236, 0.2521,  
0.5925

323.9205, 0.3050,

 2.0282, 0.2329,

0.3827

0.7671

383.9015, 0.3055,  
0.3795

0.6238, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.2585, 0.2974,  
0.4239

67.2585, 0.2974,  
0.4239

64.7724, 0.2943,  
0.4537

70.2853, 0.3011,  
0.3958

62.7867, 0.2921,  
0.4842

73.8733, 0.3050,  
0.3702


61.2692, 0.2909,  
0.5138

78.0523, 0.3091,  
0.3472


60.1801, 0.2911,  
0.5409

82.8476, 0.3132,  
0.3269

 59.4729, 0.2925,  
0.5636

 87.3179, 0.3137,  
0.3089

 59.0794, 0.2948,  
0.5807

 87.3259, 0.3137,  
0.3088

 59.0454, 0.2951,  
0.5823

# Harmonies

## Analogous

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



67.2585, 0.3578, 0.4425



67.2585, 0.2974, 0.4239



67.2585, 0.2441, 0.3697

# Triad

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



67.2585, 0.2974, 0.4239



67.2585, 0.2200, 0.2353



67.2585, 0.4257, 0.3349

# Complementary

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



67.2585, 0.2974, 0.4239



42.1022, 0.3335, 0.2500

# 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.



67.2585, 0.3813, 0.2899



67.2585, 0.2974, 0.4239



67.2585, 0.2603, 0.2349

# Square

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



67.2585, 0.2974, 0.4239



67.2585, 0.2031, 0.2588



67.2585, 0.3187, 0.2545



67.2585, 0.4353, 0.3824



# Rectangle

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



67.2585, 0.2974, 0.4239



67.2585, 0.2194, 0.3266



67.2585, 0.3187, 0.2545



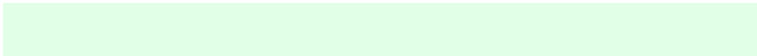
67.2585, 0.4143, 0.3193

# Sweetspot

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



67.2613, 0.2974, 0.4239



93.1699, 0.3078, 0.3542



75.6307, 0.3585, 0.4297



19.7971, 0.3073, 0.3572



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.



67.2613, 0.2974, 0.4239



79.1815, 0.2948, 0.4487



69.1045, 0.2735, 0.3649



16.9109, 0.3089, 0.3484



33.1943, 0.2945, 0.5801



2.6199, 0.2877, 0.5557



# Inverse Universe

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



42.1022, 0.3335, 0.2500



44.4160, 0.3392, 0.2340



40.1162, 0.3783, 0.2965



15.2597, 0.3168, 0.3103



11.8815, 0.3782, 0.1857

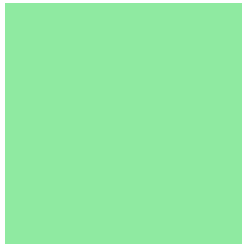


0.9460, 0.3688, 0.1805



# Previews

## White Background



This preview shows how the Yxy color 67.2585, 0.2974, 0.4239 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 67.2585, 0.2974, 0.4239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

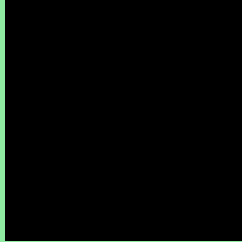
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.2585, 0.2974, 0.4239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2585, 0.2974, 0.4239.



This preview shows how white text looks on a background with the Yxy color 67.2585, 0.2974, 0.4239.

# 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

67.2585, 0.2974, 0.4239

### Protanopia

66.5135, 0.3686, 0.3969

### Deuteranopia

66.1155, 0.3768, 0.3683



## Tritanopia

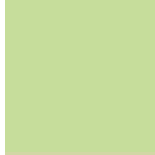
67.1957, 0.2619, 0.3078

# Trichromacy



## Original Color

67.2585, 0.2974, 0.4239



## Protanomaly

66.0852, 0.3399, 0.4079



## Deuteranomaly

65.0191, 0.3437, 0.3875



## Tritanomaly

67.1609, 0.2745, 0.3473

# Monochromacy



## Original Color

67.2585, 0.2974, 0.4239



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

59.5563, 0.3061, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2585, 0.2974, 0.4239 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, 234, 161)` looks like.

```
.text, #text, p{  
    color:rgb(143, 234, 161)  
}
```

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, 234, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 234, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2585, 0.2974, 0.4239 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, 234, 161) }
```

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

```
.border{ border-color:rgb(143, 234, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 234, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 234, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 234, 161);  
box-shadow:4px 4px 4px 4px rgb(143, 234,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2585, 0.2974, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 234, 161) }
```

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

```
.background{ background-color: rgb(143,  
234, 161) }
```

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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