

# Converting Colors

Yxy(67.4346, 0.2949, 0.3632)

Have a look what the booklet for  
Yxy(67.4346, 0.2949, 0.3632)  
contains.

<b>Yxy(67.4686, 0.2951, 0.3630)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.4686, 0.2951, 0.3630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE2C6
RGB	174, 226, 198
RGB Percent	68%, 89%, 78%
CMY	0.3175, 0.1137, 0.2236
CMYK	0.23, 0.00, 0.12, 0.11
HSL	148°, 47%, 78%
HSV	148°, 23%, 89%
XYZ	54.8484, 67.4686, 63.5469
YIQ	207.2600, -22.0040, -19.7320

# Conversions

## Conversions Part 2

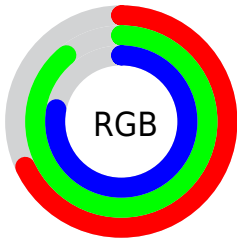
Format	Color
<b>RYB</b>	174, 210, 226
Decimal	11461318
CIELab	85.74, -22.26, 8.28
CIELCh	86, 23.750, 159.606
Yxy	67.4686, 0.2951, 0.3630
Android (android.graphics.Color)	4289651398 (0xFFAEE2C6)
YUV	207.2600, -4.5652, -29.1690
Hunter-Lab	82.1393, -24.5505, 11.6279

# Details

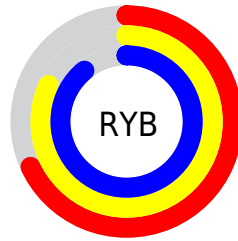
The Yxy color **67.4686, 0.2951, 0.3630** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.7202, 0.3352, 0.2973**, and the grayscale version is **62.6184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **35.2044, 0.2911, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **64.5500, 0.2881, 0.3805**, and if you desaturate by 10%, it is **70.8748, 0.3026, 0.3472**.

# Distribution



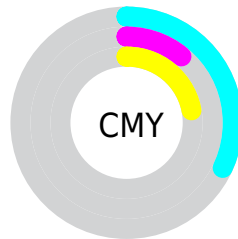
- Red (68%)
- Green (89%)
- Blue (78%)



- Red (68%)
- Yellow (82%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (32%)
- Magenta (11%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4686, 0.2951, 0.3630 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 67.4686, 0.2951, 0.3630 by changing the saturation by 10% instead.





 67.4686, 0.2951,  
0.3630

 67.4686, 0.2951,  
0.3630


451.6109, 0.3036,  
0.3466

 49.4655, 0.2931,  
0.3669

 115.5916, 0.2981,  
0.3572

 34.9889, 0.2906,  
0.3718


146.4804, 0.2992,  
0.3550

 23.6543, 0.2873,  
0.3782


182.4331, 0.3002,  
0.3531

 15.0774, 0.2829,  
0.3868

223.8343, 0.3011,  
0.3514

 8.8737, 0.2766,  
0.3990

271.0682, 0.3018,  
0.3500

 4.6589, 0.2671,  
0.4177

324.5194, 0.3025,

 2.0486, 0.2509,

0.3488

0.4497

384.5722, 0.3030,  
0.3476

0.6355, 0.0748,  
0.7852

0.0000, 0.0000,  
0.0000

67.4686, 0.2951,  
0.3630

67.4686, 0.2951,  
0.3630

64.5500, 0.2881,  
0.3805

70.8748, 0.3026,  
0.3472

62.0876, 0.2820,  
0.3994

74.7815, 0.3104,  
0.3329

60.0594, 0.2770,  
0.4196

79.2115, 0.3182,  
0.3203

58.4383, 0.2735,  
0.4407

82.3506, 0.3194,  
0.3088

■ 57.1936, 0.2718,  
0.4620

■ 82.8725, 0.3140,  
0.3009

■ 56.2904, 0.2720,  
0.4830

■ 55.6866, 0.2743,  
0.5029

■ 55.3952, 0.2767,  
0.5160

# Harmonies

## Analogous

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



67.4686, 0.3243, 0.3791



67.4686, 0.2951, 0.3630



67.4686, 0.2714, 0.3366

# Triad

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



67.4686, 0.2951, 0.3630



67.4686, 0.2741, 0.2807



67.4686, 0.3699, 0.3442

# Complementary

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



67.4686, 0.2951, 0.3630



50.7202, 0.3352, 0.2973

# 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.



67.4686, 0.3552, 0.3197



67.4686, 0.2951, 0.3630



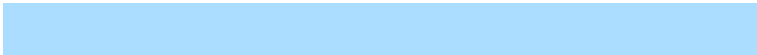
67.4686, 0.2991, 0.2842

# Square

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



67.4686, 0.2951, 0.3630



67.4686, 0.2598, 0.2894



67.4686, 0.3289, 0.2982



67.4686, 0.3682, 0.3663



# Rectangle

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



67.4686, 0.2951, 0.3630



67.4686, 0.2615, 0.3180



67.4686, 0.3289, 0.2982



67.4686, 0.3667, 0.3360

# Sweetspot

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



67.4714, 0.2951, 0.3630



96.1660, 0.3072, 0.3385



70.0923, 0.3299, 0.3896



20.5161, 0.3067, 0.3394



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

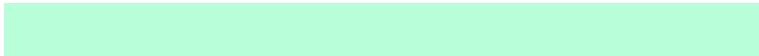


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4714, 0.2951, 0.3630



86.6451, 0.2914, 0.3719



68.7444, 0.2802, 0.3320



15.4418, 0.3053, 0.3419



31.6265, 0.2759, 0.5131



2.2101, 0.2676, 0.4835



# Inverse Universe

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



50.7202, 0.3352, 0.2973



60.6540, 0.3417, 0.2898



49.6132, 0.3576, 0.3261



13.8235, 0.3208, 0.3164



10.0479, 0.4787, 0.2411



0.7145, 0.4477, 0.2240



# Previews

## White Background



This preview shows how the Yxy color 67.4686, 0.2951, 0.3630 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 67.4686, 0.2951, 0.3630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

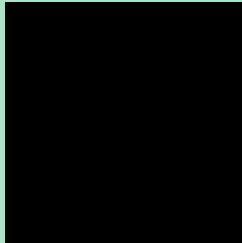
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

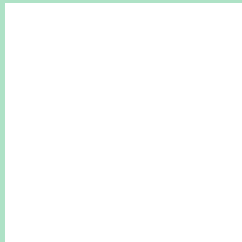
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.4686, 0.2951, 0.3630**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4686, 0.2951, 0.3630.



This preview shows how white text looks on a background with the Yxy color 67.4686, 0.2951, 0.3630.

# 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

67.4686, 0.2951, 0.3630

### Protanopia

67.0381, 0.3357, 0.3537

### Deuteranopia

66.7576, 0.3412, 0.3334



## Tritanopia

67.3045, 0.2763, 0.3083

# Trichromacy



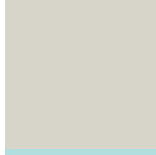
## Original Color

67.4686, 0.2951, 0.3630



## Protanomaly

67.0170, 0.3194, 0.3568



## Deuteranomaly

66.2526, 0.3225, 0.3426



## Tritanomaly

67.1540, 0.2832, 0.3277

# Monochromacy



## Original Color

67.4686, 0.2951, 0.3630



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.0549, 0.3056, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.4686, 0.2951, 0.3630 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(174, 226, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 226, 198)  
}
```

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(174, 226, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 226, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4686, 0.2951, 0.3630 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(174, 226, 198) }
```

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

```
.border{ border-color:rgb(174, 226, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 226, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 226, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 226, 198);  
box-shadow:4px 4px 4px 4px rgb(174, 226,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4686, 0.2951, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 226, 198) }
```

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

```
.background{ background-color: rgb(174,  
226, 198) }
```

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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