

# Converting Colors

$Yxy(70.0815, 0.3086, 0.3624)$

Have a look what the booklet for  
Yxy(70.0815, 0.3086, 0.3624)  
contains.

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# Color

**Yxy(69.9393, 0.3084, 0.3617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E2C6
RGB	194, 226, 198
RGB Percent	76%, 89%, 78%
CMY	0.2393, 0.1137, 0.2235
CMYK	0.14, 0.00, 0.12, 0.11
HSL	128°, 36%, 82%
HSV	128°, 14%, 89%
XYZ	59.6331, 69.9393, 63.7904
YIQ	213.2400, -10.0840, -15.4920

# Conversions

## Conversions Part 2

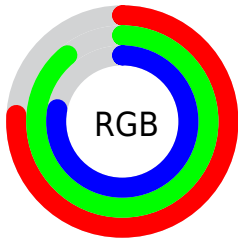
Format	Color
<b>RYB</b>	194, 222, 226
Decimal	12772038
CIELab	86.97, -15.78, 10.18
CIElCh	87, 18.779, 147.180
Yxy	69.9393, 0.3084, 0.3617
Android (android.graphics.Color)	4290962118 (0xFFC2E2C6)
YUV	213.2400, -7.5133, -16.8735
Hunter-Lab	83.6297, -19.0707, 13.3161

# Details

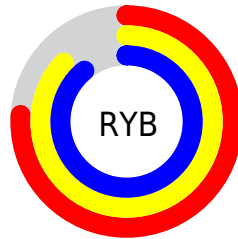
The Yxy color **69.9393, 0.3084, 0.3617** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0138, 0.3173, 0.2984**, and the grayscale version is **66.7638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **36.7149, 0.3072, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **66.3234, 0.3053, 0.3884**, and if you desaturate by 10%, it is **74.1347, 0.3115, 0.3380**.

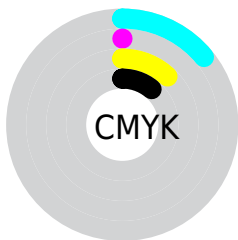
# Distribution



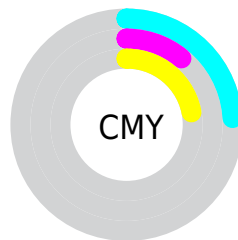
- Red (76%)
- Green (89%)
- Blue (78%)



- Red (76%)
- Yellow (87%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (24%)
- Magenta (11%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9393, 0.3084, 0.3617 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 69.9393, 0.3084, 0.3617 by changing the saturation by 10% instead.




 69.9393, 0.3084,  
0.3617

 69.9393, 0.3084,  
0.3617


460.3368, 0.3106,  
0.3461

 51.4771, 0.3079,  
0.3654

 119.1222, 0.3092,  
0.3562

 36.5884, 0.3071,  
0.3700


150.6116, 0.3095,  
0.3541

 24.8890, 0.3062,  
0.3760


187.2122, 0.3097,  
0.3523

 15.9944, 0.3049,  
0.3839

229.3084, 0.3100,  
0.3507

 9.5202, 0.3030,  
0.3952

277.2846, 0.3102,  
0.3493

 5.0820, 0.2999,  
0.4121

331.5251, 0.3103,

 2.2954, 0.2941,

0.3481

0.4405

392.4144, 0.3105,  
0.3471

0.7713, 0.2789,  
0.6184

0.0000, 0.0000,  
0.0000

69.9393, 0.3084,  
0.3617

69.9393, 0.3084,  
0.3617

66.3234, 0.3053,  
0.3884

74.1347, 0.3115,  
0.3380

63.2531, 0.3023,  
0.4178

78.9243, 0.3144,  
0.3173

60.7045, 0.2996,  
0.4493

82.8788, 0.3140,  
0.3009

58.6483, 0.2973,  
0.4819

■ 57.0526, 0.2958,  
0.5137

■ 55.8814, 0.2952,  
0.5428

■ 55.0934, 0.2956,  
0.5669

■ 54.6389, 0.2969,  
0.5845

■ 54.4851, 0.2977,  
0.5916

# Harmonies

## Analogous

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



69.9393, 0.3313, 0.3696



69.9393, 0.3084, 0.3617



69.9393, 0.2872, 0.3440

# Triad

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



69.9393, 0.3084, 0.3617



69.9393, 0.2765, 0.2927



69.9393, 0.3539, 0.3333

# Complementary

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



69.9393, 0.3084, 0.3617



60.0138, 0.3173, 0.2984

# 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.



69.9393, 0.3382, 0.3143



69.9393, 0.3084, 0.3617



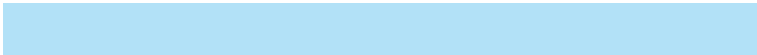
69.9393, 0.2933, 0.2913

# Square

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



69.9393, 0.3084, 0.3617



69.9393, 0.2693, 0.3037



69.9393, 0.3158, 0.2992



69.9393, 0.3581, 0.3520



# Rectangle

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



69.9393, 0.3084, 0.3617



69.9393, 0.2768, 0.3296



69.9393, 0.3158, 0.2992



69.9393, 0.3498, 0.3268

# Sweetspot

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



69.9423, 0.3084, 0.3617



97.5557, 0.3115, 0.3377



73.8654, 0.3312, 0.3643



20.7856, 0.3113, 0.3394



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

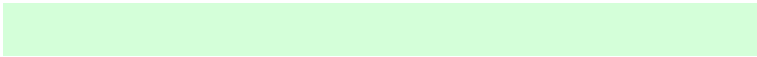


# Same Dimension

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



69.9423, 0.3084, 0.3617



90.4811, 0.3075, 0.3692



70.7056, 0.2986, 0.3431



15.3653, 0.3099, 0.3501



31.0898, 0.2972, 0.5900



2.1643, 0.2912, 0.5683



# Inverse Universe

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



60.0138, 0.3173, 0.2984



75.0448, 0.3184, 0.2918



59.2101, 0.3293, 0.3154



13.9043, 0.3157, 0.3088



11.5490, 0.3554, 0.1732

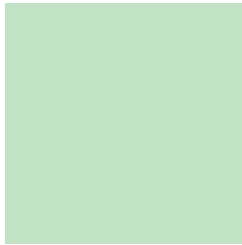


0.8090, 0.3493, 0.1698



# Previews

## White Background



This preview shows how the Yxy color 69.9393, 0.3084, 0.3617 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 69.9393, 0.3084, 0.3617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

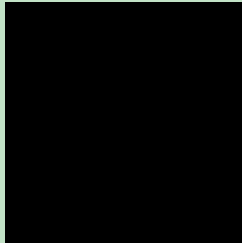
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

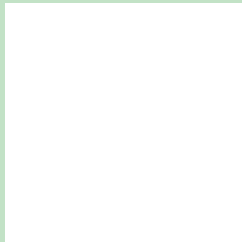
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9393, 0.3084, 0.3617**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9393, 0.3084, 0.3617.

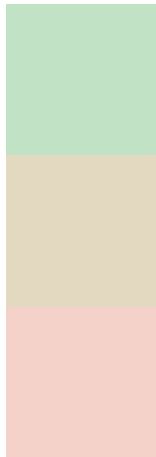


This preview shows how white text looks on a background with the Yxy color 69.9393, 0.3084, 0.3617.

# 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

69.9393, 0.3084, 0.3617

### Protanopia

69.8069, 0.3367, 0.3555

### Deuteranopia

69.5433, 0.3452, 0.3386



## Tritanopia

69.7770, 0.2883, 0.3090

# Trichromacy



**Original Color**

69.9393, 0.3084, 0.3617

**Protanomaly**

69.5736, 0.3259, 0.3572

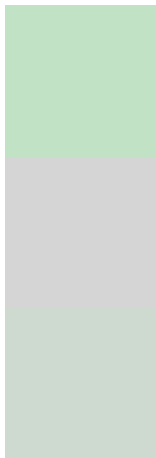
**Deuteranomaly**

69.4506, 0.3311, 0.3466

**Tritanomaly**

69.5760, 0.2956, 0.3278

# Monochromacy



**Original Color**

69.9393, 0.3084, 0.3617

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.8187, 0.3107, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9393, 0.3084, 0.3617 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(194, 226, 198)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 226, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 226, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9393, 0.3084, 0.3617 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(194, 226, 198) }
```

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

```
.border{ border-color:rgb(194, 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(194, 226, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 226, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 226, 198);  
box-shadow:4px 4px 4px 4px rgb(194, 226,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9393, 0.3084, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 226, 198) }
```

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

```
.background{ background-color: rgb(194,  
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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