

# Converting Colors

Yxy(69.8841, 0.3134, 0.3698)

Have a look what the booklet for  
Yxy(69.8841, 0.3134, 0.3698)  
contains.

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# Color

**Yxy(69.7564, 0.3136, 0.3701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3E2BF
RGB	195, 226, 191
RGB Percent	76%, 89%, 75%
CMY	0.2352, 0.1137, 0.2511
CMYK	0.14, 0.00, 0.16, 0.11
HSL	113°, 38%, 82%
HSV	113°, 16%, 89%
XYZ	59.1073, 69.7564, 59.6162
YIQ	212.7410, -7.2410, -17.4570

# Conversions

## Conversions Part 2

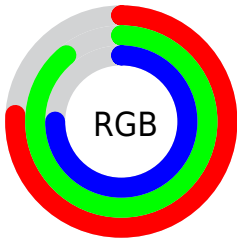
Format	Color
<b>RYB</b>	191, 226, 222
Decimal	12837567
CIELab	86.88, -16.66, 13.76
CIELCh	87, 21.603, 140.447
Yxy	69.7564, 0.3136, 0.3701
Android (android.graphics.Color)	4291027647 (0xFFC3E2BF)
YUV	212.7410, -10.7183, -15.5589
Hunter-Lab	83.5203, -19.8361, 16.1434

# Details

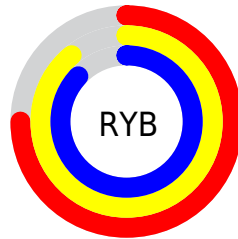
The Yxy color **69.7564, 0.3136, 0.3701** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.2558, 0.3113, 0.2904**, and the grayscale version is **66.4367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9308, 0.3155, 0.3367**, and **36.6235, 0.3130, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **66.3540, 0.3139, 0.4006**, and if you desaturate by 10%, it is **73.6744, 0.3131, 0.3427**.

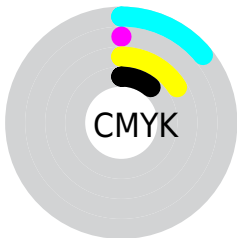
# Distribution



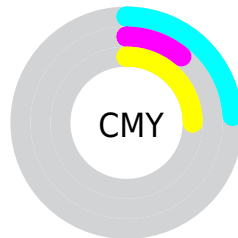
- Red (76%)
- Green (89%)
- Blue (75%)



- Red (75%)
- Yellow (89%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)




- Cyan (24%)
- Magenta (11%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7564, 0.3136, 0.3701 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 69.7564, 0.3136, 0.3701 by changing the saturation by 10% instead.




 69.7564, 0.3136,  
0.3701

 69.7564, 0.3136,  
0.3701

459.6942, 0.3134,  
0.3504

 51.3280, 0.3136,  
0.3748


 118.8613, 0.3136,  
0.3631

 36.4697, 0.3135,  
0.3806

150.3066, 0.3136,  
0.3605

 24.7972, 0.3133,  
0.3882


186.8595, 0.3136,  
0.3582

 15.9260, 0.3130,  
0.3983

228.9046, 0.3135,  
0.3562

 9.4718, 0.3123,  
0.4126

276.8263, 0.3135,  
0.3545

 5.0502, 0.3109,  
0.4342


331.0088, 0.3135,

 2.2767, 0.3072,

0.3530


391.8367, 0.3135,  
0.3516

0.4703


 0.7614, 0.2940,  
0.7060


 0.0000, 0.0000,  
0.0000


 69.7564, 0.3136,  
0.3701


 69.7564, 0.3136,  
0.3701


 66.3540, 0.3139,  
0.4006

 73.6744, 0.3131,  
0.3427


 63.4372, 0.3138,  
0.4337

 78.1188, 0.3124,  
0.3185

 60.9863, 0.3133,  
0.4684

 82.8668, 0.3140,  
0.3009

 58.9773, 0.3123,  
0.5030

 82.8739, 0.3140,  
0.3009

■ 57.3834, 0.3106,  
0.5353

■ 56.1752, 0.3085,  
0.5625

■ 55.3195, 0.3060,  
0.5827

■ 54.7769, 0.3034,  
0.5946

■ 54.6163, 0.3025,  
0.5980

# Harmonies

## Analogous

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



69.7564, 0.3394, 0.3760



69.7564, 0.3136, 0.3701



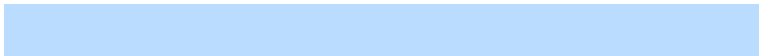
69.7564, 0.2883, 0.3516

# Triad

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



69.7564, 0.3136, 0.3701



69.7564, 0.2683, 0.2892



69.7564, 0.3572, 0.3287

# Complementary

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



69.7564, 0.3136, 0.3701



58.2558, 0.3113, 0.2904

# 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.



69.7564, 0.3366, 0.3077



69.7564, 0.3136, 0.3701



69.7564, 0.2852, 0.2853

# Square

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



69.7564, 0.3136, 0.3701



69.7564, 0.2628, 0.3040



69.7564, 0.3101, 0.2921



69.7564, 0.3653, 0.3507



# Rectangle

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



69.7564, 0.3136, 0.3701



69.7564, 0.2750, 0.3352



69.7564, 0.3101, 0.2921



69.7564, 0.3515, 0.3213

# Sweetspot

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



69.7594, 0.3136, 0.3701



97.1305, 0.3130, 0.3415



72.1259, 0.3366, 0.3631



20.7066, 0.3131, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

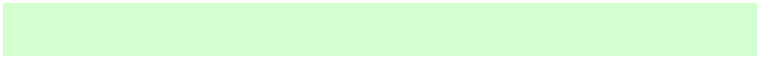


# Same Dimension

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



69.7594, 0.3136, 0.3701



90.0253, 0.3137, 0.3808



69.8439, 0.3024, 0.3542



15.4130, 0.3133, 0.3531



31.1841, 0.3030, 0.5976



2.1872, 0.3101, 0.5920



# Inverse Universe

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



58.2558, 0.3113, 0.2904



71.8376, 0.3109, 0.2811



58.1963, 0.3247, 0.3051



13.8507, 0.3119, 0.3058



10.1548, 0.2919, 0.1382



0.7271, 0.2967, 0.1408



# Previews

## White Background



This preview shows how the Yxy color 69.7564, 0.3136, 0.3701 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 69.7564, 0.3136, 0.3701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

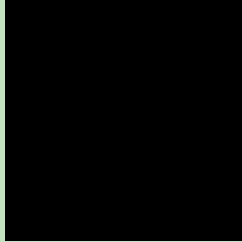
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

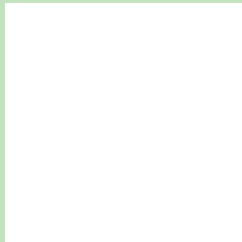
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.7564, 0.3136, 0.3701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7564, 0.3136, 0.3701.



This preview shows how white text looks on a background with the Yxy color 69.7564, 0.3136, 0.3701.

# 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

69.7564, 0.3136, 0.3701

### Protanopia

69.6649, 0.3424, 0.3633

### Deuteranopia

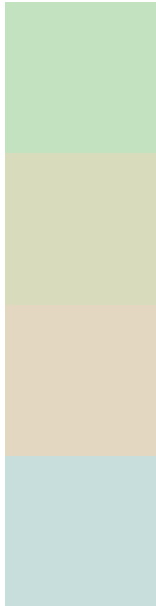
69.0888, 0.3522, 0.3449



## Tritanopia

69.9973, 0.2903, 0.3102

# Trichromacy



**Original Color**

69.7564, 0.3136, 0.3701

**Protanomaly**

69.4162, 0.3314, 0.3652

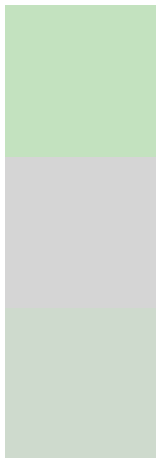
**Deuteranomaly**

68.7820, 0.3370, 0.3533

**Tritanomaly**

69.6892, 0.2988, 0.3312

# Monochromacy



**Original Color**

69.7564, 0.3136, 0.3701

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.6724, 0.3127, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7564, 0.3136, 0.3701 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(195, 226, 191)` looks like.

```
.text, #text, p{  
    color:rgb(195, 226, 191)  
}
```

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(195, 226, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 226, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7564, 0.3136, 0.3701 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(195, 226, 191) }
```

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

```
.border{ border-color:rgb(195, 226, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 226, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 226, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 226, 191); box-shadow:4px 4px 4px 4px rgb(195, 226, 191) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7564, 0.3136, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 226, 191) }
```

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

```
.background{ background-color: rgb(195,  
226, 191) }
```

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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