

# Converting Colors

Yxy(69.5014, 0.3056, 0.3627)

Have a look what the booklet for  
Yxy(69.5014, 0.3056, 0.3627)  
contains.

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# Color

**Yxy(69.4171, 0.3057, 0.3620)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | BEE2C6                       |
| RGB         | 190, 226, 198                |
| RGB Percent | 75%, 89%, 78%                |
| CMY         | 0.2549, 0.1137, 0.2236       |
| CMYK        | 0.16, 0.00, 0.12, 0.11       |
| HSL         | 133°, 38%, 82%               |
| HSV         | 133°, 16%, 89%               |
| XYZ         | 58.6210, 69.4171, 63.7218    |
| YIQ         | 212.0440, -12.4680, -16.3400 |

# Conversions

## Conversions Part 2

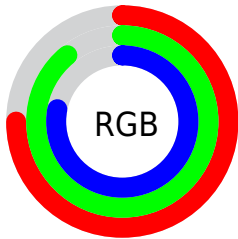
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 190, 219, 226                  |
| Decimal                             | 12509894                       |
| CIELab                              | 86.71, -17.11, 9.80            |
| CIElCh                              | 87, 19.715, 150.209            |
| Yxy                                 | 69.4171, 0.3057,<br>0.3620     |
| Android<br>(android.graphics.Color) | 4290699974<br>(0xFFBEE2C6)     |
| YUV                                 | 212.0440, -6.9237,<br>-19.3326 |
| Hunter-Lab                          | 83.3169, -20.2137,<br>12.9761  |

# Details

The Yxy color **69.4171, 0.3057, 0.3620** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0572, 0.3206, 0.2981**, and the grayscale version is **65.9220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **36.3737, 0.3037, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **65.9670, 0.3014, 0.3861**, and if you desaturate by 10%, it is **73.4186, 0.3101, 0.3405**.

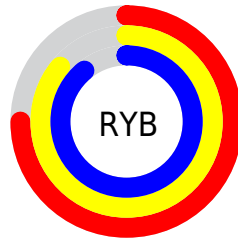
# Distribution



Red (75%)

Green (89%)

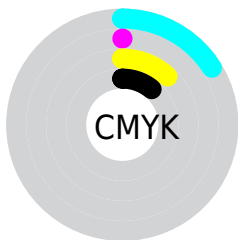
Blue (78%)



Red (75%)

Yellow (86%)

Blue (89%)

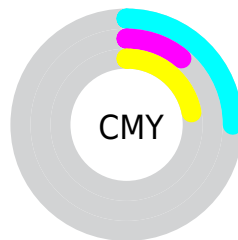


Cyan (16%)

Magenta (0%)

Yellow (12%)

Black (11%)



Cyan (25%)

Magenta (11%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4171, 0.3057, 0.3620 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 69.4171, 0.3057, 0.3620 by changing the saturation by 10% instead.




 69.4171, 0.3057,  
0.3620

 69.4171, 0.3057,  
0.3620

458.5007, 0.3092,  
0.3462

 51.0515, 0.3049,  
0.3657


 118.3771, 0.3069,  
0.3564

 36.2496, 0.3038,  
0.3704


149.7403, 0.3074,  
0.3543

 24.6270, 0.3024,  
0.3765


186.2048, 0.3078,  
0.3525

 15.7994, 0.3004,  
0.3846

228.1550, 0.3082,  
0.3509

 9.3823, 0.2976,  
0.3961

275.9753, 0.3085,  
0.3495

 4.9914, 0.2932,  
0.4134


330.0501, 0.3087,

 2.2422, 0.2854,


0.3483


0.4427


390.7637, 0.3090,  
0.3472


 0.7429, 0.2496,  
0.6430


 0.0000, 0.0000,  
0.0000


 69.4171, 0.3057,  
0.3620


 69.4171, 0.3057,  
0.3620

 65.9670, 0.3014,  
0.3861


 73.4186, 0.3101,  
0.3405

 63.0355, 0.2973,  
0.4125

 77.9851, 0.3145,  
0.3216

 60.5999, 0.2938,  
0.4410

 82.6066, 0.3168,  
0.3049

 58.6321, 0.2912,  
0.4705

 82.8775, 0.3140,  
0.3009

■ 57.1013, 0.2896,  
0.4999

■ 55.9731, 0.2893,  
0.5277

■ 55.2072, 0.2905,  
0.5520

■ 54.7549, 0.2929,  
0.5715

■ 54.6288, 0.2939,  
0.5780

# Harmonies

## Analogous

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



69.4171, 0.3299, 0.3715



69.4171, 0.3057, 0.3620



69.4171, 0.2840, 0.3426

# Triad

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



69.4171, 0.3057, 0.3620



69.4171, 0.2760, 0.2902



69.4171, 0.3572, 0.3355

# Complementary

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



69.4171, 0.3057, 0.3620



58.0572, 0.3206, 0.2981

# 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.



69.4171, 0.3416, 0.3154



69.4171, 0.3057, 0.3620



69.4171, 0.2944, 0.2898

# Square

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



69.4171, 0.3057, 0.3620



69.4171, 0.2673, 0.3008



69.4171, 0.3184, 0.2990



69.4171, 0.3602, 0.3549



# Rectangle

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



69.4171, 0.3057, 0.3620



69.4171, 0.2737, 0.3273



69.4171, 0.3184, 0.2990



69.4171, 0.3532, 0.3287

# Sweetspot

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



69.4200, 0.3057, 0.3620



97.0388, 0.3105, 0.3387



73.0520, 0.3308, 0.3692



20.6845, 0.3102, 0.3401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

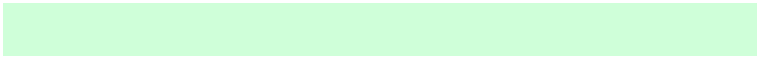


# Same Dimension

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



69.4200, 0.3057, 0.3620



89.7457, 0.3043, 0.3694



70.2915, 0.2947, 0.3407



15.3868, 0.3086, 0.3478



31.1777, 0.2932, 0.5756



2.1745, 0.2852, 0.5467



# Inverse Universe

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



58.0572, 0.3206, 0.2981



72.2151, 0.3224, 0.2917



57.1735, 0.3345, 0.3176



13.8809, 0.3171, 0.3109



11.0285, 0.3861, 0.1901

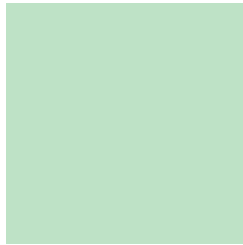


0.7774, 0.3741, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 69.4171, 0.3057, 0.3620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

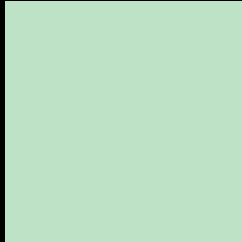
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.4171, 0.3057, 0.3620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

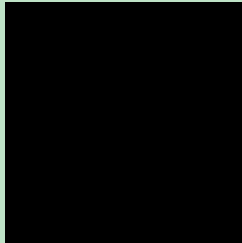
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

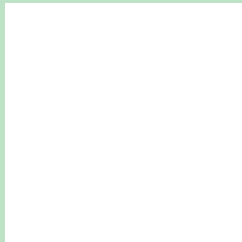
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.4171, 0.3057, 0.3620**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4171, 0.3057, 0.3620.

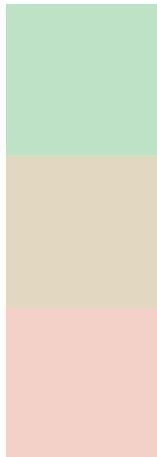


This preview shows how white text looks on a background with the Yxy color 69.4171, 0.3057, 0.3620.

# 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

69.4171, 0.3057, 0.3620

### Protanopia

69.1307, 0.3361, 0.3545

### Deuteranopia

68.8727, 0.3446, 0.3376



## Tritanopia

69.2298, 0.2857, 0.3088

# Trichromacy



## Original Color

69.4171, 0.3057, 0.3620

## Protanomaly

69.2727, 0.3244, 0.3574

## Deuteranomaly

68.6183, 0.3298, 0.3456

## Tritanomaly

69.0396, 0.2929, 0.3278

# Monochromacy



## Original Color

69.4171, 0.3057, 0.3620

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.9681, 0.3100, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4171, 0.3057, 0.3620 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(190, 226, 198)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 226, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 226, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4171, 0.3057, 0.3620 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(190, 226, 198) }
```

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

```
.border{ border-color:rgb(190, 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(190, 226, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 226, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 226, 198);  
box-shadow:4px 4px 4px 4px rgb(190, 226,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4171, 0.3057, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 226, 198) }
```

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

```
.background{ background-color: rgb(190,  
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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