

# Converting Colors

Yxy(69.5252, 0.3062, 0.3633)

Have a look what the booklet for  
Yxy(69.5252, 0.3062, 0.3633)  
contains.

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# Color

**Yxy(69.3711, 0.3063, 0.3632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEE2C5
RGB	190, 226, 197
RGB Percent	75%, 89%, 77%
CMY	0.2550, 0.1137, 0.2275
CMYK	0.16, 0.00, 0.13, 0.11
HSL	132°, 38%, 82%
HSV	132°, 16%, 89%
XYZ	58.5032, 69.3711, 63.1254
YIQ	211.9300, -12.1470, -16.6510

# Conversions

## Conversions Part 2

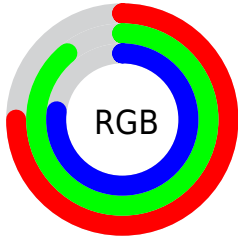
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 220, 226
Decimal	12509893
CIELab	86.69, -17.30, 10.28
CIELCh	87, 20.121, 149.277
Yxy	69.3711, 0.3063, 0.3632
Android (android.graphics.Color)	4290699973 (0xFFBEE2C5)
YUV	211.9300, -7.3605, -19.2326
Hunter-Lab	83.2893, -20.3762, 13.3663

# Details

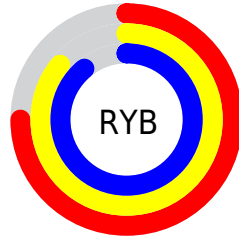
The Yxy color **69.3711, 0.3063, 0.3632** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0989, 0.3199, 0.2971**, and the grayscale version is **65.8432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4499, 0.3084, 0.3300**, and **36.3432, 0.3045, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **65.9020, 0.3023, 0.3881**, and if you desaturate by 10%, it is **73.3980, 0.3103, 0.3410**.

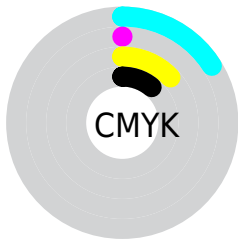
# Distribution



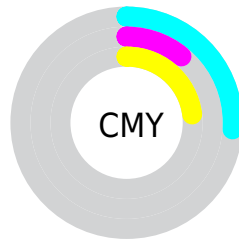
- Red (75%)
- Green (89%)
- Blue (77%)



- Red (75%)
- Yellow (86%)
- Blue (89%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (26%)
- Magenta (11%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3711, 0.3063, 0.3632 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 69.3711, 0.3063, 0.3632 by changing the saturation by 10% instead.





 69.3711, 0.3063,  
0.3632

 69.3711, 0.3063,  
0.3632


458.3387, 0.3095,  
0.3468

 51.0140, 0.3055,  
0.3671


 118.3115, 0.3075,  
0.3574

 36.2197, 0.3045,  
0.3719


149.6635, 0.3079,  
0.3552

 24.6040, 0.3032,  
0.3782


186.1160, 0.3083,  
0.3533

 15.7822, 0.3014,  
0.3867

228.0533, 0.3086,  
0.3517

 9.3702, 0.2987,  
0.3986

275.8598, 0.3088,  
0.3502

 4.9834, 0.2945,  
0.4166


329.9200, 0.3091,

 2.2375, 0.2869,


0.3490


0.4471


390.6182, 0.3093,  
0.3478


 0.7403, 0.2537,  
0.6675


 0.0000, 0.0000,  
0.0000


 69.3711, 0.3063,  
0.3632


 69.3711, 0.3063,  
0.3632


 65.9020, 0.3023,  
0.3881


 73.3980, 0.3103,  
0.3410

 62.9576, 0.2986,  
0.4156

 77.9968, 0.3143,  
0.3214

 60.5146, 0.2953,  
0.4450

 82.6617, 0.3162,  
0.3041

 58.5448, 0.2928,  
0.4754

 82.8797, 0.3140,  
0.3009

■ 57.0168, 0.2913,  
0.5055

■ 55.8956, 0.2911,  
0.5335

■ 55.1404, 0.2921,  
0.5577

■ 54.7016, 0.2942,  
0.5765

■ 54.5819, 0.2951,  
0.5825

# Harmonies

## Analogous

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



69.3711, 0.3310, 0.3725



69.3711, 0.3063, 0.3632



69.3711, 0.2840, 0.3435

# Triad

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



69.3711, 0.3063, 0.3632



69.3711, 0.2748, 0.2896



69.3711, 0.3578, 0.3350

# Complementary

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



69.3711, 0.3063, 0.3632



58.0989, 0.3199, 0.2971

# 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.



69.3711, 0.3416, 0.3145



69.3711, 0.3063, 0.3632



69.3711, 0.2933, 0.2889

# Square

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



69.3711, 0.3063, 0.3632



69.3711, 0.2663, 0.3007



69.3711, 0.3177, 0.2980



69.3711, 0.3613, 0.3548



# Rectangle

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



69.3711, 0.3063, 0.3632



69.3711, 0.2733, 0.3279



69.3711, 0.3177, 0.2980



69.3711, 0.3536, 0.3280

# Sweetspot

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



69.3740, 0.3063, 0.3632



97.0179, 0.3107, 0.3391



73.2391, 0.3317, 0.3691



20.6794, 0.3104, 0.3405



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

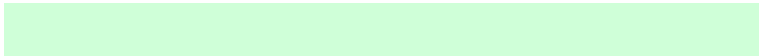


# Same Dimension

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



69.3740, 0.3063, 0.3632



89.6781, 0.3050, 0.3708



70.2288, 0.2955, 0.3422



15.3807, 0.3089, 0.3484



31.1482, 0.2945, 0.5804



2.1716, 0.2868, 0.5526



# Inverse Universe

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



58.0989, 0.3199, 0.2971



72.2946, 0.3215, 0.2905



57.2201, 0.3336, 0.3162



13.8874, 0.3167, 0.3103



11.1671, 0.3771, 0.1851

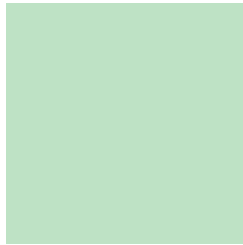


0.7859, 0.3668, 0.1794



# Previews

## White Background



This preview shows how the Yxy color 69.3711, 0.3063, 0.3632 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 69.3711, 0.3063, 0.3632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

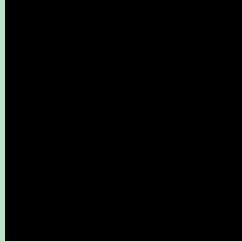
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

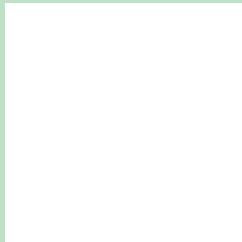
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.3711, 0.3063, 0.3632**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3711, 0.3063, 0.3632.

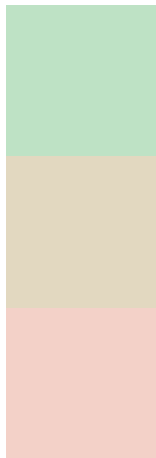


This preview shows how white text looks on a background with the Yxy color 69.3711, 0.3063, 0.3632.

# 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

69.3711, 0.3063, 0.3632

### Protanopia

69.0863, 0.3368, 0.3556

### Deuteranopia

68.8257, 0.3453, 0.3386



## Tritanopia

69.2298, 0.2857, 0.3088

# Trichromacy



**Original Color**

69.3711, 0.3063, 0.3632

**Protanomaly**

69.2276, 0.3251, 0.3585

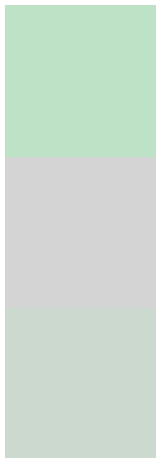
**Deuteranomaly**

68.5717, 0.3305, 0.3468

**Tritanomaly**

69.0396, 0.2929, 0.3278

# Monochromacy



**Original Color**

69.3711, 0.3063, 0.3632

**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 69.3711, 0.3063, 0.3632 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(190, 226, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 226, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3711, 0.3063, 0.3632 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, 197) }
```

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

```
.border{ border-color:rgb(190, 226, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 226, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 226, 197); box-shadow:4px 4px 4px 4px rgb(190, 226, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3711, 0.3063, 0.3632 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, 197) }
```

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

```
.background{ background-color: rgb(190,  
226, 197) }
```

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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