

# Converting Colors

Yxy(69.0387, 0.3118, 0.3699)

Have a look what the booklet for  
Yxy(69.0387, 0.3118, 0.3699)  
contains.

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# Color

**Yxy(68.8185, 0.3115, 0.3692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0E1BF
RGB	192, 225, 191
RGB Percent	75%, 88%, 75%
CMY	0.2472, 0.1176, 0.2509
CMYK	0.15, 0.00, 0.15, 0.12
HSL	118°, 36%, 82%
HSV	118°, 15%, 88%
XYZ	58.0633, 68.8185, 59.5172
YIQ	211.2570, -8.7540, -17.5700

# Conversions

## Conversions Part 2

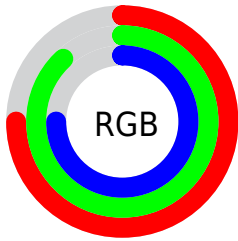
Format	Color
<a href="#">RYB</a>	<a href="#">191, 225, 224</a>
Decimal	<a href="#">12640703</a>
CIELab	<a href="#">86.41, -17.19, 13.05</a>
CIELCh	<a href="#">86, 21.580, 142.795</a>
Yxy	<a href="#">68.8185, 0.3115, 0.3692</a>
Android (android.graphics.Color)	<a href="#">4290830783 (0xFFC0E1BF)</a>
YUV	<a href="#">211.2570, -9.9867, -16.8884</a>
Hunter-Lab	<a href="#">82.9569, -20.2387, 15.5324</a>

# Details

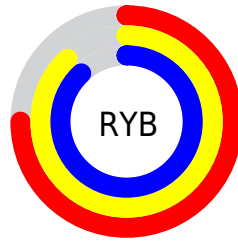
The Yxy color **68.8185, 0.3115, 0.3692** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.5564, 0.3137, 0.2917**, and the grayscale version is **65.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3751, 0.3136, 0.3367**, and **35.9877, 0.3104, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **65.2611, 0.3105, 0.4001**, and if you desaturate by 10%, it is **72.9578, 0.3123, 0.3417**.

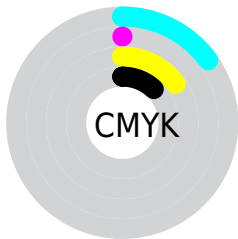
# Distribution



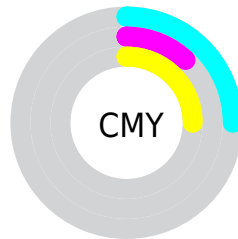
- Red (75%)
- Green (88%)
- Blue (75%)



- Red (75%)
- Yellow (88%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)




- Cyan (25%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8185, 0.3115, 0.3692 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 68.8185, 0.3115, 0.3692 by changing the saturation by 10% instead.



 68.8185, 0.3115,  
0.3692

 68.8185, 0.3115,  
0.3692

456.3906, 0.3123,  
0.3499

 50.5639, 0.3112,  
0.3738

 117.5223, 0.3118,  
0.3624

 35.8617, 0.3109,  
0.3796


148.7403, 0.3120,  
0.3597

 24.3274, 0.3104,  
0.3870


185.0482, 0.3120,  
0.3575

 15.5766, 0.3096,  
0.3971

226.8305, 0.3121,  
0.3556

 9.2251, 0.3083,  
0.4112

274.4714, 0.3122,  
0.3539

 4.8883, 0.3059,  
0.4328


328.3555, 0.3122,

 2.1819, 0.3008,


0.3524


0.4692


388.8671, 0.3123,  
0.3511


 0.7101, 0.2645,  
0.7355


 0.0000, 0.0000,  
0.0000


 68.8185, 0.3115,  
0.3692

 68.8185, 0.3115,  
0.3692


 65.2611, 0.3105,  
0.4001

 72.9578, 0.3123,  
0.3417

 62.2513, 0.3092,  
0.4338

 77.6941, 0.3130,  
0.3177

 59.7645, 0.3078,  
0.4693

 82.3361, 0.3141,  
0.2999

 57.7708, 0.3063,  
0.5048

■ 56.2375, 0.3047,  
0.5378

■ 55.1278, 0.3031,  
0.5654

■ 54.3991, 0.3017,  
0.5853

■ 54.0003, 0.3007,  
0.5965

■ 53.8974, 0.3005,  
0.5996

# Harmonies

## Analogous

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



68.8185, 0.3376, 0.3762



68.8185, 0.3115, 0.3692



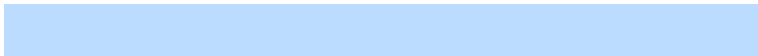
68.8185, 0.2865, 0.3499

# Triad

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



68.8185, 0.3115, 0.3692



68.8185, 0.2691, 0.2884



68.8185, 0.3585, 0.3304

# Complementary

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



68.8185, 0.3115, 0.3692



58.5564, 0.3137, 0.2917

# 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.



68.8185, 0.3386, 0.3091



68.8185, 0.3115, 0.3692



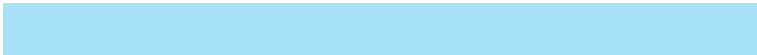
68.8185, 0.2868, 0.2853

# Square

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



68.8185, 0.3115, 0.3692



68.8185, 0.2626, 0.3024



68.8185, 0.3122, 0.2929



68.8185, 0.3655, 0.3523



# Rectangle

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



68.8185, 0.3115, 0.3692



68.8185, 0.2736, 0.3333



68.8185, 0.3122, 0.2929



68.8185, 0.3531, 0.3230

# Sweetspot

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



68.8214, 0.3115, 0.3692



96.9317, 0.3124, 0.3415



73.0165, 0.3355, 0.3652



20.6586, 0.3123, 0.3434



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

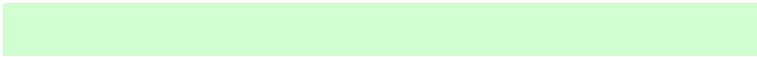


# Same Dimension

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



68.8214, 0.3115, 0.3692



89.8897, 0.3112, 0.3782



69.4326, 0.3009, 0.3501



15.3557, 0.3120, 0.3532



31.0634, 0.3006, 0.5995



2.1598, 0.3025, 0.5980



# Inverse Universe

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



58.5564, 0.3137, 0.2917



73.8832, 0.3139, 0.2841



57.8852, 0.3265, 0.3088



13.9147, 0.3133, 0.3059



11.7843, 0.3139, 0.1503

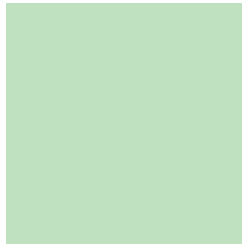


0.8232, 0.3150, 0.1509



# Previews

## White Background



This preview shows how the Yxy color 68.8185, 0.3115, 0.3692 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 68.8185, 0.3115, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

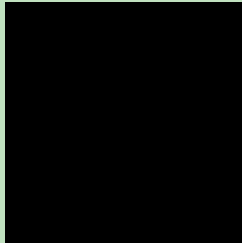
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

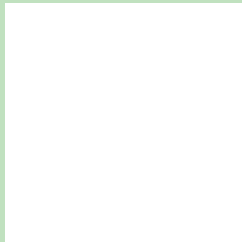
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.8185, 0.3115, 0.3692**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.8185, 0.3115, 0.3692.

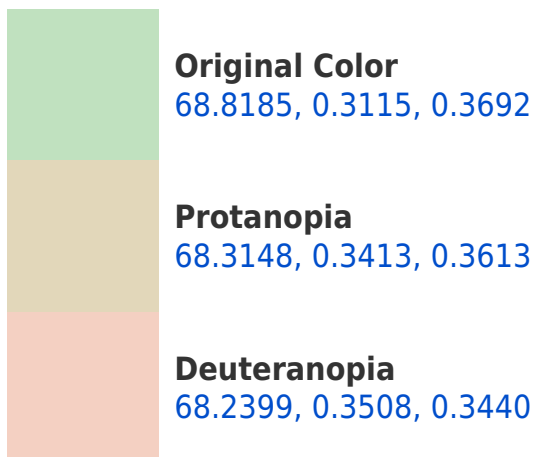


This preview shows how white text looks on a background with the Yxy color 68.8185, 0.3115, 0.3692.

# 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

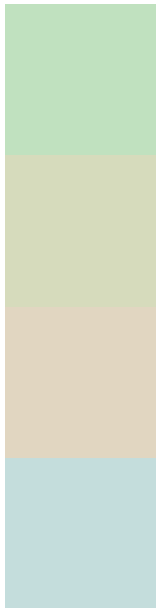




## Tritanopia

68.8613, 0.2882, 0.3100

# Trichromacy



**Original Color**

68.8185, 0.3115, 0.3692

**Protanomaly**

68.5900, 0.3301, 0.3643

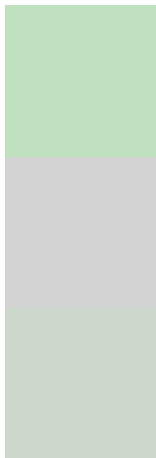
**Deuteranomaly**

67.9509, 0.3356, 0.3524

**Tritanomaly**

68.6160, 0.2961, 0.3301

# Monochromacy



**Original Color**

68.8185, 0.3115, 0.3692

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.3087, 0.3121, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8185, 0.3115, 0.3692 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(192, 225, 191)` looks like.

```
.text, #text, p{  
    color:rgb(192, 225, 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(192, 225, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 225, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8185, 0.3115, 0.3692 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(192, 225, 191) }
```

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

```
.border{ border-color:rgb(192, 225, 191) }
```

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

Here you see how a box with a 4 pixel rgb(192, 225, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 225, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 225, 191);  
box-shadow:4px 4px 4px 4px rgb(192, 225,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8185, 0.3115, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 225, 191) }
```

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

```
.background{ background-color: rgb(192,  
225, 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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