

# Converting Colors

Yxy(69.9073, 0.3322, 0.4188)

Have a look what the booklet for  
Yxy(69.9073, 0.3322, 0.4188)  
contains.

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# Color

**Yxy(69.9073, 0.3322, 0.4188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEE69B
RGB	190, 230, 155
RGB Percent	75%, 90%, 61%
CMY	0.2548, 0.0980, 0.3923
CMYK	0.17, 0.00, 0.33, 0.10
HSL	92°, 60%, 75%
HSV	92°, 33%, 90%
XYZ	55.4518, 69.9073, 41.5638
YIQ	209.4900, 0.2350, -31.8050

# Conversions

## Conversions Part 2

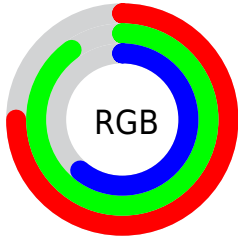
Format	Color
<a href="#">RYB</a>	<a href="#">155, 230, 195</a>
Decimal	<a href="#">12510875</a>
CIELab	<a href="#">86.95, -25.96, 32.42</a>
CIElCh	<a href="#">87, 41.534, 128.688</a>
Yxy	<a href="#">69.9073, 0.3322, 0.4188</a>
Android (android.graphics.Color)	<a href="#">4290700955</a> <a href="#">(0xFFBEE69B)</a>
YUV	<a href="#">209.4900, -26.8636, -17.0927</a>
Hunter-Lab	<a href="#">83.6106, -27.9347, 29.0537</a>

# Details

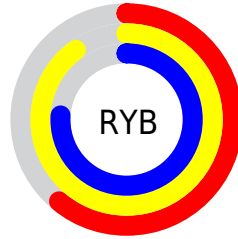
The Yxy color **69.9073, 0.3322, 0.4188** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.7362, 0.2862, 0.2405**, and the grayscale version is **64.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9473, 0.3341, 0.3738**, and **36.4856, 0.3357, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **67.6978, 0.3369, 0.4493**, and if you desaturate by 10%, it is **72.4026, 0.3266, 0.3892**.

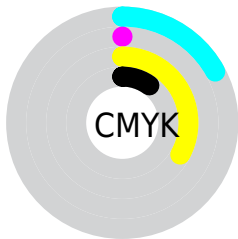
# Distribution



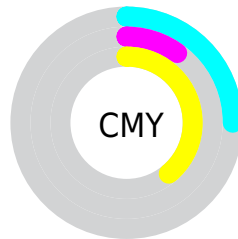
- Red (75%)
- Green (90%)
- Blue (61%)



- Red (61%)
- Yellow (90%)
- Blue (76%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)




- Cyan (25%)
- Magenta (10%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9073, 0.3322, 0.4188 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 69.9073, 0.3322, 0.4188 by changing the saturation by 10% instead.



 69.9073, 0.3322,  
0.4188


 69.9073, 0.3322,  
0.4188


460.2245, 0.3243,  
0.3753

 51.4510, 0.3336,  
0.4292


 119.0765, 0.3297,  
0.4033

 36.5676, 0.3352,  
0.4422


 150.5583, 0.3287,  
0.3974

 24.8729, 0.3368,  
0.4589


187.1505, 0.3278,  
0.3924

 15.9824, 0.3382,  
0.4811

229.2378, 0.3269,  
0.3880

 9.5117, 0.3387,  
0.5119

277.2044, 0.3262,  
0.3842

 5.0764, 0.3360,  
0.5563


331.4348, 0.3255,

 2.2922, 0.3416,


0.3809


0.6584

392.3134, 0.3249,  
0.3779


 0.7696, 0.1126,  
0.8874


 0.0000, 0.0000,  
0.0000


 69.9073, 0.3322,  
0.4188

 69.9073, 0.3322,  
0.4188


 67.6978, 0.3369,  
0.4493


 72.4026, 0.3266,  
0.3892


 65.7535, 0.3404,  
0.4795

 75.1855, 0.3206,  
0.3612

 64.0647, 0.3423,  
0.5080


 78.2693, 0.3143,  
0.3354

 62.6176, 0.3421,  
0.5331

 81.6635, 0.3082,  
0.3119

 61.3966, 0.3397,  
0.5533

 84.3759, 0.3114,  
0.3047

 60.3834, 0.3354,  
0.5677

 85.0736, 0.3138,  
0.3048

 59.7502, 0.3313,  
0.5751

# Harmonies

## Analogous

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



69.9073, 0.3786, 0.4158



69.9073, 0.3322, 0.4188



69.9073, 0.2827, 0.3911

# Triad

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



69.9073, 0.3322, 0.4188



69.9073, 0.2240, 0.2615



69.9073, 0.3853, 0.3109

# Complementary

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



69.9073, 0.3322, 0.4188



40.7362, 0.2862, 0.2405

# Split Complementary

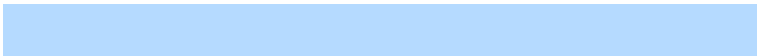
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.9073, 0.3381, 0.2768



69.9073, 0.3322, 0.4188



69.9073, 0.2464, 0.2485

# Square

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



69.9073, 0.3322, 0.4188



69.9073, 0.2229, 0.2944



69.9073, 0.2870, 0.2546



69.9073, 0.4118, 0.3506



# Rectangle

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



69.9073, 0.3322, 0.4188



69.9073, 0.2547, 0.3598



69.9073, 0.2870, 0.2546



69.9073, 0.3711, 0.2986

# Sweetspot

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



69.9103, 0.3322, 0.4188



95.9795, 0.3190, 0.3544



57.6527, 0.3740, 0.3731



20.4293, 0.3199, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

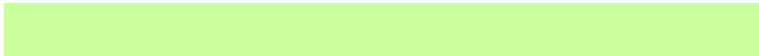


# Same Dimension

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



69.9103, 0.3322, 0.4188



86.4658, 0.3354, 0.4389



65.9660, 0.3075, 0.4241



16.4176, 0.3186, 0.3528



33.8986, 0.3324, 0.5742



2.5598, 0.3437, 0.5653



# Inverse Universe

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



40.7362, 0.2862, 0.2405



44.3316, 0.2793, 0.2210



45.8965, 0.3176, 0.2493



14.2632, 0.3063, 0.3053



5.6713, 0.2091, 0.0925



0.4743, 0.2244, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 69.9073, 0.3322, 0.4188 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 69.9073, 0.3322, 0.4188 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 69.9073, 0.3322, 0.4188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9073, 0.3322, 0.4188.

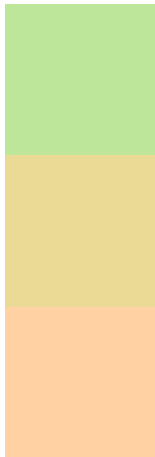


This preview shows how white text looks on a background with the Yxy color 69.9073, 0.3322, 0.4188.

# 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

69.9073, 0.3322, 0.4188

### Protanopia

69.4899, 0.3734, 0.4018

### Deuteranopia

69.5053, 0.3829, 0.3767



## Tritanopia

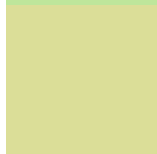
69.8574, 0.2896, 0.3101

# Trichromacy



## Original Color

69.9073, 0.3322, 0.4188



## Protanomaly

69.5696, 0.3578, 0.4081



## Deuteranomaly

69.1527, 0.3633, 0.3918



## Tritanomaly

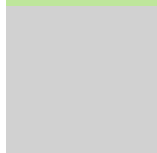
69.8221, 0.3056, 0.3486

# Monochromacy



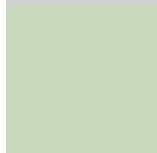
## Original Color

69.9073, 0.3322, 0.4188



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.8564, 0.3206, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9073, 0.3322, 0.4188 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, 230, 155)` looks like.

```
.text, #text, p{  
  color:rgb(190, 230, 155)  
}
```

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, 230, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 230, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9073, 0.3322, 0.4188 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, 230, 155) }
```

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

```
.border{ border-color:rgb(190, 230, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 230, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(190, 230,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9073, 0.3322, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 230, 155) }
```

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

```
.background{ background-color: rgb(190,  
230, 155) }
```

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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