

# Converting Colors

$Yxy(69.7973, 0.3553, 0.4662)$

Have a look what the booklet for  
Yxy(69.7973, 0.3553, 0.4662)  
contains.

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# Color

**Yxy(69.8753, 0.3551, 0.4670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEE872
RGB	190, 232, 114
RGB Percent	75%, 91%, 45%
CMY	0.2549, 0.0902, 0.5528
CMYK	0.18, 0.00, 0.51, 0.09
HSL	81°, 72%, 68%
HSV	81°, 51%, 91%
XYZ	53.1322, 69.8753, 26.6184
YIQ	205.9900, 12.8460, -45.6020

# Conversions

## Conversions Part 2

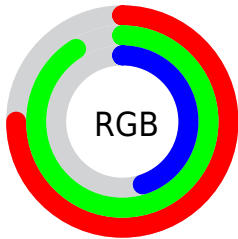
Format	Color
<a href="#">RYB</a>	<a href="#">114, 232, 156</a>
Decimal	<a href="#">12511346</a>
CIELab	<a href="#">86.94, -31.80, 52.42</a>
CIElCh	<a href="#">87, 61.312, 121.245</a>
Yxy	<a href="#">69.8753, 0.3551, 0.4670</a>
Android (android.graphics.Color)	<a href="#">4290701426 (0xFFBEE872)</a>
YUV	<a href="#">205.9900, -45.3511, -14.0232</a>
Hunter-Lab	<a href="#">83.5914, -32.8274, 39.6340</a>

# Details

The Yxy color **69.8753, 0.3551, 0.4670** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **24.9425, 0.2475, 0.1800**, and the grayscale version is **62.0093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3036, 0.3595, 0.4158**, and **36.4559, 0.3602, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **68.3814, 0.3601, 0.4927**, and if you desaturate by 10%, it is **71.5696, 0.3484, 0.4393**.

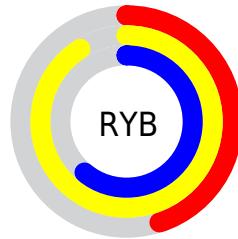
# Distribution



Red (75%)

Green (91%)

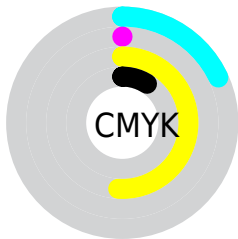
Blue (45%)



Red (45%)

Yellow (91%)

Blue (61%)

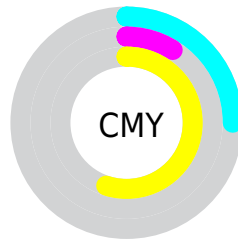


Cyan (18%)

Magenta (0%)

Yellow (51%)

Black (9%)



Cyan (25%)

Magenta (9%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8753, 0.3551, 0.4670 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 69.8753, 0.3551, 0.4670 by changing the saturation by 10% instead.





 69.8753, 0.3551,  
0.4670

 69.8753, 0.3551,  
0.4670

460.1120, 0.3387,  
0.4006


 51.4249, 0.3577,  
0.4823

 119.0309, 0.3503,  
0.4437

 36.5469, 0.3602,  
0.5012


 150.5049, 0.3481,  
0.4347

 24.8568, 0.3621,  
0.5246


 187.0888, 0.3462,  
0.4270

 15.9704, 0.3624,  
0.5543

229.1672, 0.3444,  
0.4203

 9.5032, 0.3588,  
0.5922

277.1242, 0.3428,  
0.4144

 5.0708, 0.3506,  
0.6494

331.3445, 0.3413,

 2.2889, 0.3075,

0.4092

0.6925

392.2123, 0.3399,  
0.4047

0.7678, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.8753, 0.3551,  
0.4670

69.8753, 0.3551,  
0.4670

68.3814, 0.3601,  
0.4927

71.5696, 0.3484,  
0.4393

67.0674, 0.3629,  
0.5152

73.4654, 0.3404,  
0.4110


65.9234, 0.3632,  
0.5334

75.5749, 0.3316,  
0.3830

64.9344, 0.3610,  
0.5465


77.9071, 0.3226,  
0.3562

 64.1422, 0.3573,  
0.5545

 80.4699, 0.3135,  
0.3310

 83.2712, 0.3046,  
0.3078

 84.8589, 0.3090,  
0.3065

 86.1945, 0.3138,  
0.3068

# Harmonies

## Analogous

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



69.8753, 0.4191, 0.4450



69.8753, 0.3551, 0.4670



69.8753, 0.2834, 0.4393

# Triad

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



69.8753, 0.3551, 0.4670



69.8753, 0.1849, 0.2392



69.8753, 0.4043, 0.2885

# Complementary

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



69.8753, 0.3551, 0.4670



24.9425, 0.2475, 0.1800

# 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.



69.8753, 0.3294, 0.2459



69.8753, 0.3551, 0.4670



69.8753, 0.2080, 0.2169

# Square

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



69.8753, 0.3551, 0.4670



69.8753, 0.1896, 0.2909



69.8753, 0.2579, 0.2204



69.8753, 0.4534, 0.3412



# Rectangle

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



69.8753, 0.3551, 0.4670



69.8753, 0.2411, 0.3941



69.8753, 0.2579, 0.2204



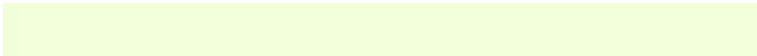
69.8753, 0.3807, 0.2728

# Sweetspot

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



69.8784, 0.3551, 0.4670



95.2849, 0.3264, 0.3674



41.9244, 0.4313, 0.3760



20.2642, 0.3284, 0.3731



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.



69.8784, 0.3551, 0.4670



84.6568, 0.3603, 0.4939



63.8148, 0.3152, 0.4862



16.5471, 0.3213, 0.3526



35.6816, 0.3582, 0.5538



2.6884, 0.3672, 0.5466



# Inverse Universe

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



24.9425, 0.2475, 0.1800



23.1808, 0.2304, 0.1482



32.2133, 0.3014, 0.2005



14.1355, 0.3036, 0.3051



4.3094, 0.1779, 0.0754



0.3691, 0.1942, 0.0843



# Previews

## White Background



This preview shows how the Yxy color 69.8753, 0.3551, 0.4670 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 69.8753, 0.3551, 0.4670 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 69.8753, 0.3551, 0.4670**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8753, 0.3551, 0.4670.



This preview shows how white text looks on a background with the Yxy color 69.8753, 0.3551, 0.4670.

# 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**

69.8753, 0.3551, 0.4670

**Protanopia**

69.2551, 0.4039, 0.4404

**Deuteranopia**

69.0629, 0.3926, 0.3899



## Tritanopia

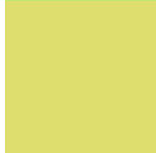
69.8410, 0.2928, 0.3102

# Trichromacy



## Original Color

69.8753, 0.3551, 0.4670



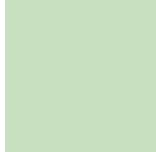
## Protanomaly

68.9198, 0.3857, 0.4497



## Deuteranomaly

68.4208, 0.3791, 0.4165



## Tritanomaly

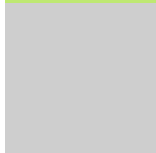
69.3964, 0.3166, 0.3662

# Monochromacy



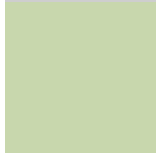
## Original Color

69.8753, 0.3551, 0.4670



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

63.8974, 0.3304, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  69.8753, 0.3551, 0.4670 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, 232, 114)` looks like.

```
.text, #text, p{  
    color:rgb(190, 232, 114)  
}
```

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, 232, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 232, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8753, 0.3551, 0.4670 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, 232, 114) }
```

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

```
.border{ border-color:rgb(190, 232, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 232, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 232, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 232, 114);  
box-shadow:4px 4px 4px 4px rgb(190, 232,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8753, 0.3551, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 232, 114) }
```

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

```
.background{ background-color: rgb(190,  
232, 114) }
```

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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