

# Converting Colors

Yxy(68.6181, 0.3337, 0.4271)

Have a look what the booklet for  
Yxy(68.6181, 0.3337, 0.4271)  
contains.

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# Color

**Yxy(68.6158, 0.3337, 0.4271)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BAE594
RGB	186, 229, 148
RGB Percent	73%, 90%, 58%
CMY	0.2706, 0.1019, 0.4197
CMYK	0.19, 0.00, 0.35, 0.10
HSL	92°, 61%, 74%
HSV	92°, 35%, 90%
XYZ	53.6106, 68.6158, 38.4287
YIQ	206.9090, 0.3730, -34.3070

# Conversions

## Conversions Part 2

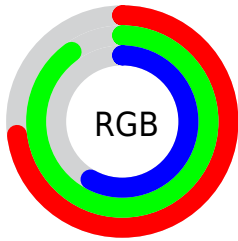
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 229, 191
Decimal	12248468
CIELab	86.31, -27.89, 35.06
CIELCh	86, 44.802, 128.497
Yxy	68.6158, 0.3337, 0.4271
Android (android.graphics.Color)	4290438548 (0xFFBAE594)
YUV	206.9090, -29.0421, -18.3372
Hunter-Lab	82.8347, -29.4354, 30.4784

# Details

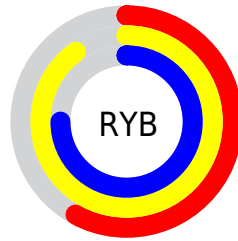
The Yxy color **68.6158, 0.3337, 0.4271** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.9106, 0.2833, 0.2324**, and the grayscale version is **62.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8865, 0.3356, 0.3814**, and **35.6372, 0.3374, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **66.5053, 0.3382, 0.4576**, and if you desaturate by 10%, it is **71.0054, 0.3283, 0.3972**.

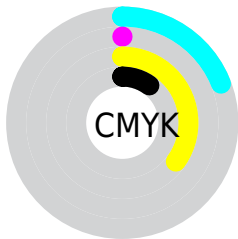
# Distribution



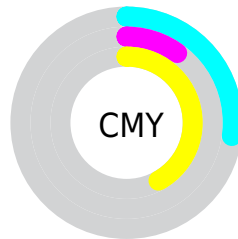
- Red (73%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (75%)



- Cyan (19%)
- Magenta (0%)
- Yellow (35%)
- Black (10%)




- Cyan (27%)
- Magenta (10%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6158, 0.3337, 0.4271 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 68.6158, 0.3337, 0.4271 by changing the saturation by 10% instead.



 68.6158, 0.3337,  
0.4271


 68.6158, 0.3337,  
0.4271


455.6747, 0.3253,  
0.3793

 50.3989, 0.3352,  
0.4385


 117.2327, 0.3311,  
0.4101

 35.7304, 0.3367,  
0.4528


 148.4014, 0.3300,  
0.4036

 24.2261, 0.3382,  
0.4713


184.6562, 0.3290,  
0.3981

 15.5014, 0.3392,  
0.4958

226.3814, 0.3282,  
0.3933

 9.1720, 0.3387,  
0.5296

273.9615, 0.3273,  
0.3891

 4.8536, 0.3347,  
0.5793

327.7808, 0.3266,

 2.1616, 0.3272,

0.3854

0.6728

388.2238, 0.3260,  
0.3822

0.6989, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.6158, 0.3337,  
0.4271

68.6158, 0.3337,  
0.4271

66.5053, 0.3382,  
0.4576

71.0054, 0.3283,  
0.3972

64.6531, 0.3413,  
0.4875


73.6760, 0.3223,  
0.3687

63.0496, 0.3426,  
0.5151


76.6408, 0.3161,  
0.3423

61.6806, 0.3418,  
0.5390

79.9095, 0.3098,  
0.3181

 60.5301, 0.3389,  
0.5577

 82.9994, 0.3084,  
0.3034

 59.5793, 0.3341,  
0.5705

 84.5238, 0.3139,  
0.3039

 59.1948, 0.3315,  
0.5750

# Harmonies

## Analogous

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



68.6158, 0.3840, 0.4227



68.6158, 0.3337, 0.4271



68.6158, 0.2803, 0.3972

# Triad

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



68.6158, 0.3337, 0.4271



68.6158, 0.2172, 0.2560



68.6158, 0.3913, 0.3089

# Complementary

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



68.6158, 0.3337, 0.4271



37.9106, 0.2833, 0.2324

# 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.



68.6158, 0.3397, 0.2726



68.6158, 0.3337, 0.4271



68.6158, 0.2409, 0.2423

# Square

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



68.6158, 0.3337, 0.4271



68.6158, 0.2160, 0.2913



68.6158, 0.2843, 0.2489



68.6158, 0.4202, 0.3514



# Rectangle

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



68.6158, 0.3337, 0.4271



68.6158, 0.2501, 0.3628



68.6158, 0.2843, 0.2489



68.6158, 0.3757, 0.2958

# Sweetspot

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



68.6188, 0.3337, 0.4271



95.6070, 0.3196, 0.3570



55.5583, 0.3802, 0.3770



20.3549, 0.3205, 0.3607



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

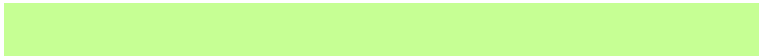


# Same Dimension

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



68.6188, 0.3337, 0.4271



85.6784, 0.3369, 0.4481



64.5190, 0.3070, 0.4335



16.4188, 0.3186, 0.3528



33.9119, 0.3327, 0.5741



2.5609, 0.3439, 0.5651



# Inverse Universe

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



37.9106, 0.2833, 0.2324



41.3149, 0.2759, 0.2121



43.4174, 0.3180, 0.2428



14.2620, 0.3063, 0.3053



5.6558, 0.2087, 0.0924

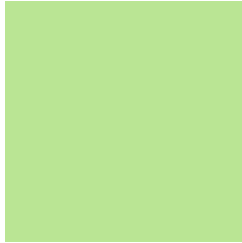


0.4731, 0.2241, 0.1008



# Previews

## White Background



This preview shows how the Yxy color 68.6158, 0.3337, 0.4271 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 68.6158, 0.3337, 0.4271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

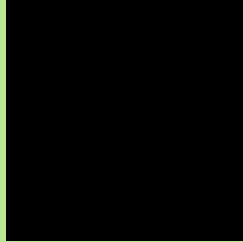
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6158, 0.3337, 0.4271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6158, 0.3337, 0.4271.



This preview shows how white text looks on a background with the Yxy color 68.6158, 0.3337, 0.4271.

# 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

68.6158, 0.3337, 0.4271

### Protanopia

68.0463, 0.3789, 0.4085

### Deuteranopia

68.2522, 0.3897, 0.3829



## Tritanopia

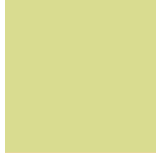
68.3411, 0.2881, 0.3088

# Trichromacy



## Original Color

68.6158, 0.3337, 0.4271



## Protanomaly

67.9517, 0.3622, 0.4154



## Deuteranomaly

67.6909, 0.3688, 0.3987



## Tritanomaly

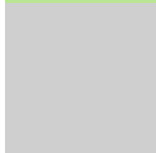
68.0715, 0.3048, 0.3500

# Monochromacy



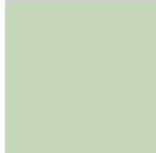
## Original Color

68.6158, 0.3337, 0.4271



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.2882, 0.3207, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6158, 0.3337, 0.4271 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(186, 229, 148)` looks like.

```
.text, #text, p{  
    color:rgb(186, 229, 148)  
}
```

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(186, 229, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 229, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6158, 0.3337, 0.4271 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(186, 229, 148) }
```

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

```
.border{ border-color:rgb(186, 229, 148) }
```

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

Here you see how a box with a 4 pixel rgb(186, 229, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 229, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 229, 148);  
box-shadow:4px 4px 4px 4px rgb(186, 229,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6158, 0.3337, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 229, 148) }
```

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

```
.background{ background-color: rgb(186,  
229, 148) }
```

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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