

# Converting Colors

$Yxy(67.3293, 0.3419, 0.4492)$

Have a look what the booklet for  
Yxy(67.3293, 0.3419, 0.4492)  
contains.

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# Color

**Yxy(67.0436, 0.3416, 0.4485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E482
RGB	182, 228, 130
RGB Percent	71%, 89%, 51%
CMY	0.2863, 0.1059, 0.4901
CMYK	0.20, 0.00, 0.43, 0.11
HSL	88°, 64%, 70%
HSV	88°, 43%, 89%
XYZ	51.0638, 67.0436, 31.3767
YIQ	203.0740, 4.0420, -40.2300

# Conversions

## Conversions Part 2

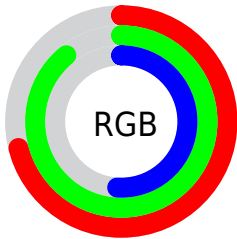
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 228, 176
Decimal	11986050
CIELab	85.53, -31.14, 42.94
CIELCh	86, 53.046, 125.950
Yxy	67.0436, 0.3416, 0.4485
Android (android.graphics.Color)	4290176130 (0xFFB6E482)
YUV	203.0740, -36.0255, -18.4819
Hunter-Lab	81.8802, -31.9705, 34.5960

# Details

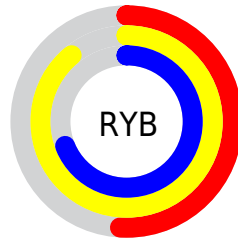
The Yxy color **67.0436, 0.3416, 0.4485** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.8089, 0.2697, 0.2082**, and the grayscale version is **60.0004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3314, 0.3441, 0.4015**, and **34.5671, 0.3455, 0.4800** is the 20% darker color. If you saturate the color by 10%, you get **65.2462, 0.3461, 0.4777**, and if you desaturate by 10%, it is **69.0823, 0.3358, 0.4188**.

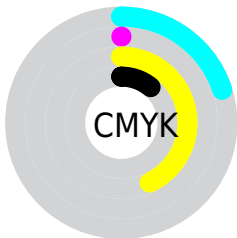
# Distribution



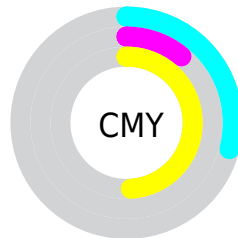
- Red (71%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (69%)



- Cyan (20%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0436, 0.3416, 0.4485 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 67.0436, 0.3416, 0.4485 by changing the saturation by 10% instead.





 67.0436, 0.3416,  
0.4485

 67.0436, 0.3416,  
0.4485


450.1000, 0.3303,  
0.3900

 49.1201, 0.3434,  
0.4624


 114.9829, 0.3382,  
0.4277

 34.7147, 0.3452,  
0.4798


 145.7674, 0.3368,  
0.4198

 23.4432, 0.3467,  
0.5020


 181.6077, 0.3354,  
0.4130

 14.9211, 0.3470,  
0.5311

222.8882, 0.3342,  
0.4071

 8.7640, 0.3444,  
0.5701

269.9933, 0.3331,  
0.4020

 4.5876, 0.3452,  
0.6443

323.3074, 0.3321,

 2.0074, 0.3033,

0.3975

0.6967

383.2148, 0.3312,  
0.3936

0.6118, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.0436, 0.3416,  
0.4485

67.0436, 0.3416,  
0.4485

65.2462, 0.3461,  
0.4777

69.0823, 0.3358,  
0.4188

63.6699, 0.3488,  
0.5050


71.3637, 0.3292,  
0.3897

62.3053, 0.3493,  
0.5288

73.9006, 0.3221,  
0.3620

61.1381, 0.3476,  
0.5479


76.7019, 0.3149,  
0.3362

 60.1519, 0.3436,  
0.5615

 79.7762, 0.3077,  
0.3126

 59.5497, 0.3399,  
0.5683

 82.3462, 0.3080,  
0.3024

 83.9701, 0.3139,  
0.3029

# Harmonies

## Analogous

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



67.0436, 0.4002, 0.4374



67.0436, 0.3416, 0.4485



67.0436, 0.2783, 0.4164

# Triad

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



67.0436, 0.3416, 0.4485



67.0436, 0.2000, 0.2449



67.0436, 0.4020, 0.3006

# Complementary

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



67.0436, 0.3416, 0.4485



30.8089, 0.2697, 0.2082

# 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.



67.0436, 0.3386, 0.2600



67.0436, 0.3416, 0.4485



67.0436, 0.2249, 0.2280

# Square

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



67.0436, 0.3416, 0.4485



67.0436, 0.2005, 0.2876



67.0436, 0.2735, 0.2341



67.0436, 0.4395, 0.3492



# Rectangle

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



67.0436, 0.3416, 0.4485



67.0436, 0.2422, 0.3751



67.0436, 0.2735, 0.2341



67.0436, 0.3826, 0.2858

# Sweetspot

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



67.0465, 0.3416, 0.4485



95.2118, 0.3222, 0.3623



49.0601, 0.4010, 0.3819



20.2178, 0.3238, 0.3683



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

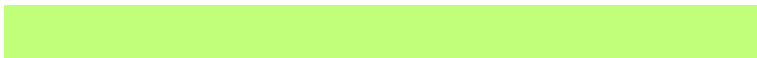


# Same Dimension

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



67.0465, 0.3416, 0.4485



84.2366, 0.3458, 0.4758



62.1129, 0.3084, 0.4617



16.4635, 0.3196, 0.3527



34.4554, 0.3410, 0.5674



2.6013, 0.3517, 0.5589



# Inverse Universe

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



30.8089, 0.2697, 0.2082



31.5112, 0.2573, 0.1803



37.5398, 0.3146, 0.2230



14.2173, 0.3054, 0.3052



5.1115, 0.1968, 0.0858

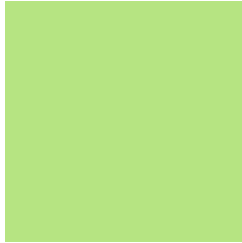


0.4326, 0.2129, 0.0947



# Previews

## White Background



This preview shows how the Yxy color 67.0436, 0.3416, 0.4485 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 67.0436, 0.3416, 0.4485 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 67.0436, 0.3416, 0.4485**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0436, 0.3416, 0.4485.



This preview shows how white text looks on a background with the Yxy color 67.0436, 0.3416, 0.4485.

# 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

67.0436, 0.3416, 0.4485

### Protanopia

66.5616, 0.3913, 0.4240

### Deuteranopia

66.3688, 0.4015, 0.3940



## Tritanopia

66.8652, 0.2886, 0.3097

# Trichromacy



**Original Color**

67.0436, 0.3416, 0.4485

**Protanomaly**

66.1222, 0.3723, 0.4325

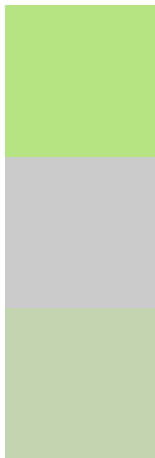
**Deuteranomaly**

65.8886, 0.3783, 0.4134

**Tritanomaly**

66.3784, 0.3086, 0.3575

# Monochromacy



**Original Color**

67.0436, 0.3416, 0.4485

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.8237, 0.3249, 0.3727

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0436, 0.3416, 0.4485 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(182, 228, 130)` looks like.

```
.text, #text, p{  
    color:rgb(182, 228, 130)  
}
```

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(182, 228, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 228, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0436, 0.3416, 0.4485 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(182, 228, 130) }
```

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

```
.border{ border-color:rgb(182, 228, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 228, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 228, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 228, 130);  
box-shadow:4px 4px 4px 4px rgb(182, 228,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0436, 0.3416, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 228, 130) }
```

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

```
.background{ background-color: rgb(182,  
228, 130) }
```

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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