

# Converting Colors

$Yxy(67.6366, 0.3459, 0.4482)$

Have a look what the booklet for  
Yxy(67.6366, 0.3459, 0.4482)  
contains.

|   |    |
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# Color

**Yxy(67.6366, 0.3459, 0.4482)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | BBE481                     |
| RGB           | 187, 228, 129              |
| RGB Percent   | 73%, 89%, 51%              |
| CMY           | 0.2667, 0.1059, 0.4941     |
| CMYK          | 0.18, 0.00, 0.43, 0.11     |
| HSL           | 85°, 65%, 70%              |
| HSV           | 85°, 43%, 89%              |
| XYZ           | 52.1988, 67.6366, 31.0718  |
| YIQ           | 204.4550, 7.3430, -39.4810 |

# Conversions

## Conversions Part 2

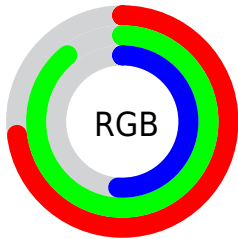
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">129, 228, 170</a>                |
| Decimal                             | <a href="#">12313729</a>                     |
| CIELab                              | <a href="#">85.82, -29.44, 43.89</a>         |
| CIELCh                              | <a href="#">86, 52.845, 123.854</a>          |
| Yxy                                 | <a href="#">67.6366, 0.3459, 0.4482</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4290503809<br/>(0xFFBBE481)</a>  |
| YUV                                 | <a href="#">204.4550, -37.1993, -15.3080</a> |
| Hunter-Lab                          | <a href="#">82.2415, -30.6283, 35.1686</a>   |

# Details

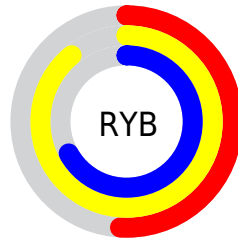
The Yxy color **67.6366, 0.3459, 0.4482** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.8491, 0.2643, 0.2053**, and the grayscale version is **60.9244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1720, 0.3481, 0.4017**, and **34.9464, 0.3509, 0.4789** is the 20% darker color. If you saturate the color by 10%, you get **65.9471, 0.3512, 0.4764**, and if you desaturate by 10%, it is **69.5456, 0.3392, 0.4192**.

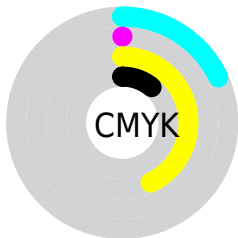
# Distribution



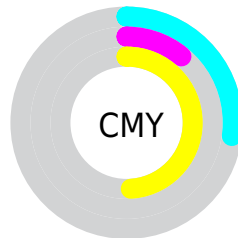
- Red (73%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (67%)



- Cyan (18%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6366, 0.3459, 0.4482 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 67.6366, 0.3459, 0.4482 by changing the saturation by 10% instead.




 67.6366, 0.3459,  
0.4482


 67.6366, 0.3459,  
0.4482


452.2074, 0.3326,  
0.3902


 49.6022, 0.3482,  
0.4619


 115.8321, 0.3419,  
0.4276

 35.0974, 0.3505,  
0.4790


 146.7620, 0.3401,  
0.4198

 23.7379, 0.3526,  
0.5007

 182.7591, 0.3385,  
0.4130

 15.1393, 0.3538,  
0.5289

224.2079, 0.3371,  
0.4072

 8.9172, 0.3523,  
0.5664

271.4927, 0.3358,  
0.4021

 4.6872, 0.3555,  
0.6385

324.9980, 0.3347,

 2.0649, 0.3153,

0.3977

0.6847

385.1081, 0.3336,  
0.3937

0.6448, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.6366, 0.3459,  
0.4482

67.6366, 0.3459,  
0.4482

65.9471, 0.3512,  
0.4764

69.5456, 0.3392,  
0.4192

64.4577, 0.3547,  
0.5026


71.6750, 0.3317,  
0.3906

63.1595, 0.3560,  
0.5252


74.0368, 0.3236,  
0.3631

62.0392, 0.3548,  
0.5431


76.6393, 0.3155,  
0.3374


 61.0808, 0.3513,  
0.5558

 79.4906, 0.3075,  
0.3136

 60.5229, 0.3481,  
0.5618

 81.8827, 0.3063,  
0.3023

 83.6125, 0.3127,  
0.3028

 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.



67.6366, 0.4032, 0.4347



67.6366, 0.3459, 0.4482



67.6366, 0.2828, 0.4193

# Triad

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



67.6366, 0.3459, 0.4482



67.6366, 0.1998, 0.2476



67.6366, 0.3976, 0.2976

# Complementary

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



67.6366, 0.3459, 0.4482



29.8491, 0.2643, 0.2053

# 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.



67.6366, 0.3337, 0.2580



67.6366, 0.3459, 0.4482



67.6366, 0.2229, 0.2290

# Square

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



67.6366, 0.3459, 0.4482



67.6366, 0.2022, 0.2918



67.6366, 0.2697, 0.2336



67.6366, 0.4373, 0.3457



# Rectangle

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



67.6366, 0.3459, 0.4482



67.6366, 0.2460, 0.3795



67.6366, 0.2697, 0.2336



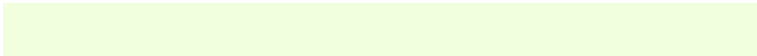
67.6366, 0.3778, 0.2831

# Sweetspot

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



67.6396, 0.3459, 0.4482



95.5341, 0.3234, 0.3622



46.3081, 0.4056, 0.3751



20.2974, 0.3252, 0.3681



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.



67.6396, 0.3459, 0.4482



85.2251, 0.3507, 0.4734



62.5554, 0.3124, 0.4616



16.5041, 0.3204, 0.3527



35.0172, 0.3492, 0.5610



2.6418, 0.3591, 0.5530



# Inverse Universe

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



29.8491, 0.2643, 0.2053



30.6225, 0.2514, 0.1779



36.2239, 0.3084, 0.2199



14.1772, 0.3045, 0.3052



4.6877, 0.1870, 0.0804



0.3998, 0.2034, 0.0894



# Previews

## White Background



This preview shows how the Yxy color 67.6366, 0.3459, 0.4482 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 67.6366, 0.3459, 0.4482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

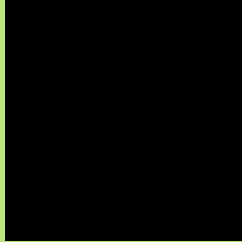
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6366, 0.3459, 0.4482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6366, 0.3459, 0.4482.

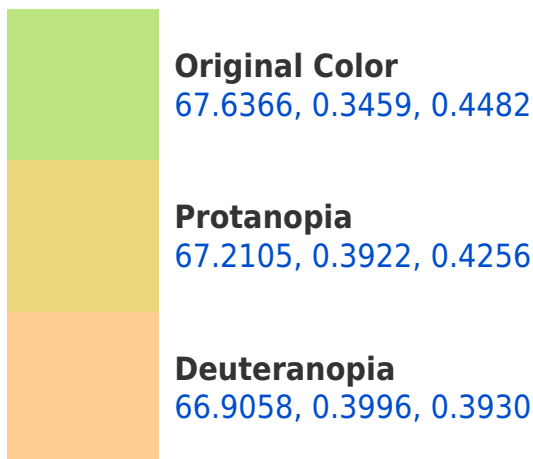


This preview shows how white text looks on a background with the Yxy color 67.6366, 0.3459, 0.4482.

# 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

67.4124, 0.2912, 0.3099

# Trichromacy



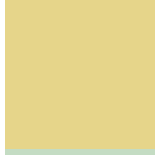
## Original Color

67.6366, 0.3459, 0.4482



## Protanomaly

67.0748, 0.3750, 0.4335



## Deuteranomaly

66.2465, 0.3793, 0.4118



## Tritanomaly

66.8623, 0.3120, 0.3584

# Monochromacy



## Original Color

67.6366, 0.3459, 0.4482



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

62.7686, 0.3263, 0.3723

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6366, 0.3459, 0.4482 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(187, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(187, 228, 129)  
}
```

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(187, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 228, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6366, 0.3459, 0.4482 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(187, 228, 129) }
```

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

```
.border{ border-color:rgb(187, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 228, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 228, 129); box-shadow:4px 4px 4px 4px rgb(187, 228, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6366, 0.3459, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 228, 129) }
```

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

```
.background{ background-color: rgb(187,  
228, 129) }
```

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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