

# Converting Colors

Yxy(64.4636, 0.3365, 0.4480)

Have a look what the booklet for  
Yxy(64.4636, 0.3365, 0.4480)  
contains.

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# Color

**Yxy(64.4608, 0.3365, 0.4480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE182
RGB	174, 225, 130
RGB Percent	68%, 88%, 51%
CMY	0.3175, 0.1177, 0.4902
CMYK	0.23, 0.00, 0.42, 0.12
HSL	92°, 61%, 70%
HSV	92°, 42%, 88%
XYZ	48.4175, 64.4608, 31.0074
YIQ	198.9210, 0.0990, -40.3570

# Conversions

## Conversions Part 2

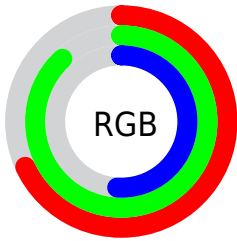
Format	Color
<a href="#">RYB</a>	<a href="#">130, 225, 181</a>
Decimal	<a href="#">11460994</a>
CIELab	<a href="#">84.21, -32.60, 41.18</a>
CIELCh	<a href="#">84, 52.523, 128.359</a>
Yxy	<a href="#">64.4608, 0.3365, 0.4480</a>
Android (android.graphics.Color)	<a href="#">4289651074 (0xFFAEE182)</a>
YUV	<a href="#">198.9210, -33.9781, -21.8557</a>
Hunter-Lab	<a href="#">80.2875, -32.8583, 33.3032</a>

# Details

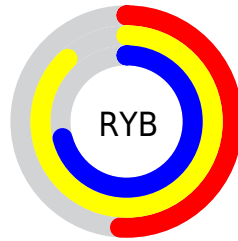
The Yxy color **64.4608, 0.3365, 0.4480** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.2175, 0.2764, 0.2124**, and the grayscale version is **57.2806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9696, 0.3388, 0.4027**, and **32.8624, 0.3384, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **62.5993, 0.3400, 0.4783**, and if you desaturate by 10%, it is **66.5845, 0.3318, 0.4175**.

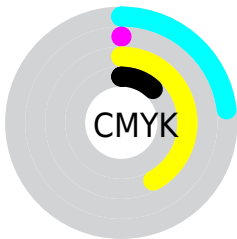
# Distribution



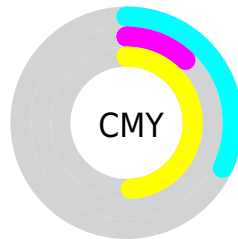
- Red (68%)
- Green (88%)
- Blue (51%)



- Red (51%)
- Yellow (88%)
- Blue (71%)



- Cyan (23%)
- Magenta (0%)
- Yellow (42%)
- Black (12%)




- Cyan (32%)
- Magenta (12%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4608, 0.3365, 0.4480 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 64.4608, 0.3365, 0.4480 by changing the saturation by 10% instead.




 64.4608, 0.3365,  
0.4480

 64.4608, 0.3365,  
0.4480


440.8518, 0.3275,  
0.3892

 47.0240, 0.3378,  
0.4622


 111.2743, 0.3339,  
0.4269

 33.0546, 0.3390,  
0.4800


 141.4198, 0.3327,  
0.4189

 22.1683, 0.3397,  
0.5030


 176.5703, 0.3317,  
0.4121

 13.9806, 0.3390,  
0.5335

217.1102, 0.3307,  
0.4062

 8.1072, 0.3349,  
0.5750

263.4239, 0.3298,  
0.4011

 4.1636, 0.3351,  
0.6588

315.8958, 0.3290,

 1.7655, 0.2836,

0.3967

0.7164

374.9103, 0.3282,  
0.3927

0.4655, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.4608, 0.3365,  
0.4480

64.4608, 0.3365,  
0.4480

62.5993, 0.3400,  
0.4783

66.5845, 0.3318,  
0.4175

60.9796, 0.3419,  
0.5069


68.9732, 0.3262,  
0.3880

59.5915, 0.3417,  
0.5322


71.6398, 0.3202,  
0.3601


58.4201, 0.3395,  
0.5527

74.5941, 0.3141,  
0.3344

 57.4482, 0.3352,  
0.5675

 77.8452, 0.3080,  
0.3110

 56.8107, 0.3309,  
0.5754

 80.7415, 0.3083,  
0.2994

 82.3278, 0.3141,  
0.2999

# Harmonies

## Analogous

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



64.4608, 0.3963, 0.4399



64.4608, 0.3365, 0.4480



64.4608, 0.2735, 0.4123

# Triad

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



64.4608, 0.3365, 0.4480



64.4608, 0.2008, 0.2424



64.4608, 0.4066, 0.3042

# Complementary

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



64.4608, 0.3365, 0.4480



31.2175, 0.2764, 0.2124

# Split Complementary

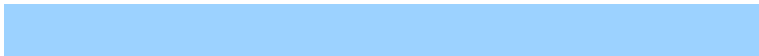
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.4608, 0.3441, 0.2626



64.4608, 0.3365, 0.4480



64.4608, 0.2278, 0.2274

# Square

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



64.4608, 0.3365, 0.4480



64.4608, 0.1992, 0.2831



64.4608, 0.2782, 0.2353



64.4608, 0.4413, 0.3533



# Rectangle

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



64.4608, 0.3365, 0.4480



64.4608, 0.2382, 0.3697



64.4608, 0.2782, 0.2353



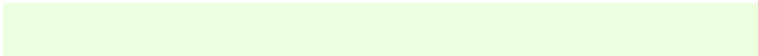
64.4608, 0.3877, 0.2891

# Sweetspot

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



64.4636, 0.3365, 0.4480



94.8286, 0.3208, 0.3624



50.5291, 0.3958, 0.3880



20.1233, 0.3221, 0.3685



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

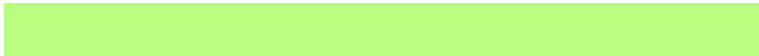


# Same Dimension

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



64.4636, 0.3365, 0.4480



83.3453, 0.3398, 0.4757



60.2914, 0.3049, 0.4553



15.6471, 0.3185, 0.3527



32.8065, 0.3320, 0.5746



2.3268, 0.3440, 0.5650



# Inverse Universe

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



31.2175, 0.2764, 0.2124



33.4362, 0.2659, 0.1860



37.2360, 0.3205, 0.2286



13.6034, 0.3064, 0.3054



5.5315, 0.2099, 0.0930

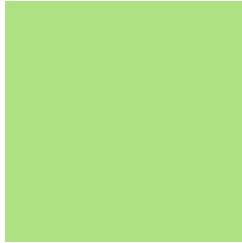


0.4365, 0.2261, 0.1019



# Previews

## White Background



This preview shows how the Yxy color 64.4608, 0.3365, 0.4480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

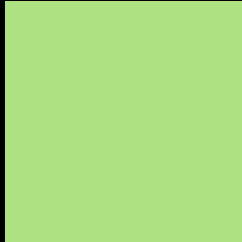
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4608, 0.3365, 0.4480 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 64.4608, 0.3365, 0.4480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4608, 0.3365, 0.4480.

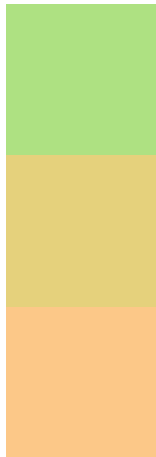


This preview shows how white text looks on a background with the Yxy color 64.4608, 0.3365, 0.4480.

# 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

64.4608, 0.3365, 0.4480

### Protanopia

63.7142, 0.3898, 0.4227

### Deuteranopia

63.7816, 0.4048, 0.3957



## Tritanopia

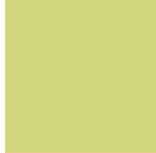
64.1205, 0.2849, 0.3093

# Trichromacy



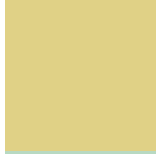
## Original Color

64.4608, 0.3365, 0.4480



## Protanomaly

63.6625, 0.3693, 0.4325



## Deuteranomaly

63.1695, 0.3788, 0.4137



## Tritanomaly

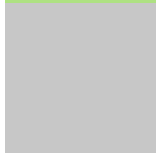
63.7111, 0.3043, 0.3569

# Monochromacy



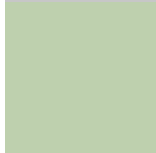
## Original Color

64.4608, 0.3365, 0.4480



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.1149, 0.3229, 0.3711

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.4608, 0.3365, 0.4480 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(174, 225, 130)` looks like.

```
.text, #text, p{  
    color:rgb(174, 225, 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(174, 225, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 225, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4608, 0.3365, 0.4480 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(174, 225, 130) }
```

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

```
.border{ border-color:rgb(174, 225, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 225, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 225, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 225, 130);  
box-shadow:4px 4px 4px 4px rgb(174, 225,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4608, 0.3365, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 225, 130) }
```

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

```
.background{ background-color: rgb(174,  
225, 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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