

# Converting Colors

Yxy(64.4758, 0.3368, 0.4436)

Have a look what the booklet for  
Yxy(64.4758, 0.3368, 0.4436)  
contains.

<b>Yxy(64.2349, 0.3364, 0.4429)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.2349, 0.3364, 0.4429)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B0E085
RGB	176, 224, 133
RGB Percent	69%, 88%, 52%
CMY	0.3099, 0.1215, 0.4785
CMYK	0.21, 0.00, 0.41, 0.12
HSL	92°, 59%, 70%
HSV	92°, 41%, 88%
XYZ	48.7889, 64.2349, 32.0087
YIQ	199.2740, 0.6030, -38.4770

# Conversions

## Conversions Part 2

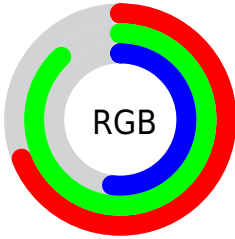
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 224, 181
Decimal	11591813
CIELab	84.09, -31.07, 39.58
CIELCh	84, 50.320, 128.132
Yxy	64.2349, 0.3364, 0.4429
Android (android.graphics.Color)	4289781893 (0xFFB0E085)
YUV	199.2740, -32.6731, -20.4113
Hunter-Lab	80.1467, -31.5956, 32.4237

# Details

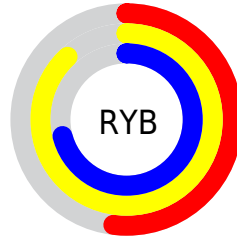
The Yxy color **64.2349, 0.3364, 0.4429** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.9765, 0.2774, 0.2169**, and the grayscale version is **57.4914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4315, 0.3384, 0.3993**, and **33.1227, 0.3392, 0.4733** is the 20% darker color. If you saturate the color by 10%, you get **62.3651, 0.3403, 0.4732**, and if you desaturate by 10%, it is **66.3623, 0.3314, 0.4126**.

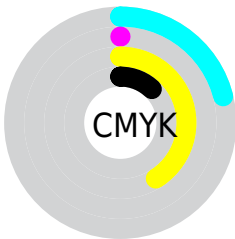
# Distribution



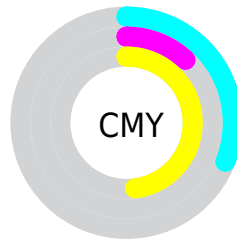
- Red (69%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (71%)



- Cyan (21%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)




- Cyan (31%)
- Magenta (12%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2349, 0.3364, 0.4429 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 64.2349, 0.3364, 0.4429 by changing the saturation by 10% instead.




 64.2349, 0.3364,  
0.4429


 64.2349, 0.3364,  
0.4429


440.0374, 0.3272,  
0.3866


 46.8410, 0.3378,  
0.4565


 110.9492, 0.3337,  
0.4227

 32.9099, 0.3392,  
0.4736


 141.0383, 0.3325,  
0.4151

 22.0575, 0.3402,  
0.4957


 176.1279, 0.3314,  
0.4086

 13.8991, 0.3401,  
0.5250

216.6024, 0.3304,  
0.4029

 8.0505, 0.3370,  
0.5652

262.8462, 0.3295,  
0.3981

 4.1273, 0.3367,  
0.6421

315.2437, 0.3287,

 1.7450, 0.2932,

0.3938

0.7068

374.1793, 0.3279,  
0.3900

0.4526, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.2349, 0.3364,  
0.4429

64.2349, 0.3364,  
0.4429

62.3651, 0.3403,  
0.4732

66.3623, 0.3314,  
0.4126

60.7329, 0.3425,  
0.5020

68.7496, 0.3256,  
0.3834

59.3286, 0.3428,  
0.5278


71.4094, 0.3194,  
0.3559

58.1381, 0.3410,  
0.5491

74.3513, 0.3131,  
0.3305

 57.1449, 0.3371,  
0.5647

 77.5840, 0.3069,  
0.3075

 56.3700, 0.3321,  
0.5745

 80.2925, 0.3086,  
0.2984

 81.7971, 0.3141,  
0.2990

# Harmonies

## Analogous

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



64.2349, 0.3938, 0.4355



64.2349, 0.3364, 0.4429



64.2349, 0.2756, 0.4090

# Triad

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



64.2349, 0.3364, 0.4429



64.2349, 0.2046, 0.2460



64.2349, 0.4023, 0.3050

# Complementary

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



64.2349, 0.3364, 0.4429



31.9765, 0.2774, 0.2169

# Split Complementary

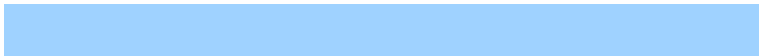
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.2349, 0.3425, 0.2647



64.2349, 0.3364, 0.4429



64.2349, 0.2306, 0.2310

# Square

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



64.2349, 0.3364, 0.4429



64.2349, 0.2034, 0.2856



64.2349, 0.2792, 0.2384



64.2349, 0.4360, 0.3525



# Rectangle

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



64.2349, 0.3364, 0.4429



64.2349, 0.2415, 0.3685



64.2349, 0.2792, 0.2384



64.2349, 0.3843, 0.2904

# Sweetspot

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



64.2377, 0.3364, 0.4429



95.2490, 0.3203, 0.3597



50.1892, 0.3926, 0.3841



20.2837, 0.3211, 0.3633



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

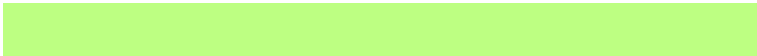


# Same Dimension

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



64.2377, 0.3364, 0.4429



83.9611, 0.3398, 0.4693



60.0370, 0.3060, 0.4518



15.6531, 0.3187, 0.3527



32.8752, 0.3332, 0.5737



2.3317, 0.3451, 0.5642



# Inverse Universe

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



31.9765, 0.2774, 0.2169



34.9313, 0.2674, 0.1914



37.9186, 0.3188, 0.2308



13.5974, 0.3063, 0.3054



5.4513, 0.2082, 0.0920



0.4310, 0.2245, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 64.2349, 0.3364, 0.4429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

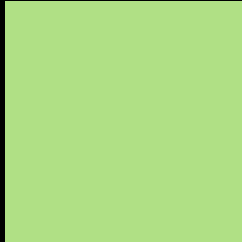
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2349, 0.3364, 0.4429 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 64.2349, 0.3364, 0.4429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2349, 0.3364, 0.4429.



This preview shows how white text looks on a background with the Yxy color 64.2349, 0.3364, 0.4429.

# 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

64.2349, 0.3364, 0.4429

### Protanopia

63.6272, 0.3869, 0.4199

### Deuteranopia

63.6528, 0.4024, 0.3939



## Tritanopia

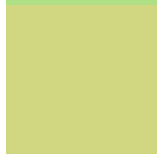
64.1928, 0.2862, 0.3105

# Trichromacy



## Original Color

64.2349, 0.3364, 0.4429



## Protanomaly

63.2334, 0.3678, 0.4283



## Deuteranomaly

63.2258, 0.3774, 0.4115



## Tritanomaly

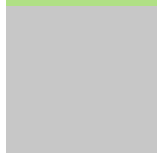
63.8350, 0.3050, 0.3569

# Monochromacy



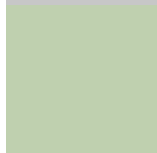
## Original Color

64.2349, 0.3364, 0.4429



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.2833, 0.3229, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.2349, 0.3364, 0.4429 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(176, 224, 133)` looks like.

```
.text, #text, p{  
    color:rgb(176, 224, 133)  
}
```

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(176, 224, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2349, 0.3364, 0.4429 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(176, 224, 133) }
```

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

```
.border{ border-color:rgb(176, 224, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 224, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 224, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 224, 133);  
box-shadow:4px 4px 4px 4px rgb(176, 224,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2349, 0.3364, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 224, 133) }
```

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

```
.background{ background-color: rgb(176,  
224, 133) }
```

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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