

# Converting Colors

Yxy(67.8884, 0.3647, 0.4441)

Have a look what the booklet for  
Yxy(67.8884, 0.3647, 0.4441)  
contains.

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# Color

**Yxy(67.8884, 0.3647, 0.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE07C
RGB	206, 224, 124
RGB Percent	81%, 88%, 49%
CMY	0.1921, 0.1216, 0.5138
CMYK	0.08, 0.00, 0.45, 0.12
HSL	71°, 62%, 68%
HSV	71°, 45%, 88%
XYZ	55.7507, 67.8884, 29.2282
YIQ	207.2180, 21.3720, -34.9160

# Conversions

## Conversions Part 2

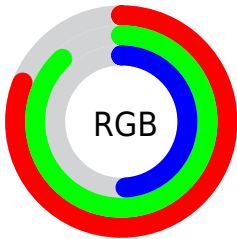
Format	Color
<a href="#">RYB</a>	<a href="#">124, 224, 142</a>
Decimal	<a href="#">13557884</a>
CIELab	<a href="#">85.95, -20.90, 46.76</a>
CIELCh	<a href="#">86, 51.218, 114.081</a>
Yxy	<a href="#">67.8884, 0.3647, 0.4441</a>
Android (android.graphics.Color)	<a href="#">4291747964</a> ( <a href="#">0xFFCEE07C</a> )
YUV	<a href="#">207.2180, -41.0265, -1.0682</a>
Hunter-Lab	<a href="#">82.3944, -23.4114, 36.6438</a>

# Details

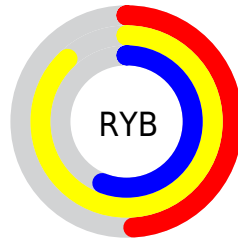
The Yxy color **67.8884, 0.3647, 0.4441** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.5411, 0.2426, 0.1948**, and the grayscale version is **62.8068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **35.3278, 0.3738, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **66.8186, 0.3740, 0.4681**, and if you desaturate by 10%, it is **69.1078, 0.3539, 0.4184**.

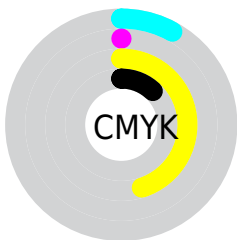
# Distribution



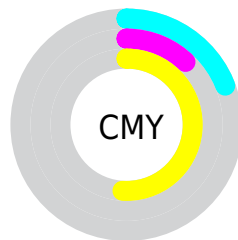
- Red (81%)
- Green (88%)
- Blue (49%)



- Red (49%)
- Yellow (88%)
- Blue (56%)



- Cyan (8%)
- Magenta (0%)
- Yellow (45%)
- Black (12%)




- Cyan (19%)
- Magenta (12%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8884, 0.3647, 0.4441 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 67.8884, 0.3647, 0.4441 by changing the saturation by 10% instead.




 67.8884, 0.3647,  
0.4441


 67.8884, 0.3647,  
0.4441


453.1005, 0.3426,  
0.3892

 49.8069, 0.3690,  
0.4567


 116.1925, 0.3576,  
0.4249

 35.2600, 0.3738,  
0.4722


 147.1839, 0.3546,  
0.4175

 23.8632, 0.3790,  
0.4916


 183.2474, 0.3520,  
0.4111

 15.2322, 0.3841,  
0.5160

224.7674, 0.3497,  
0.4055

 8.9825, 0.3877,  
0.5473

272.1284, 0.3476,  
0.4007

 4.7298, 0.3967,  
0.6033


325.7146, 0.3458,

 2.0896, 0.3671,


0.3964


0.6329


385.9105, 0.3441,  
0.3926


 0.6588, 0.1497,  
0.8503


 0.0000, 0.0000,  
0.0000

 67.8884, 0.3647,  
0.4441

 67.8884, 0.3647,  
0.4441

 66.8186, 0.3740,  
0.4681


 69.1078, 0.3539,  
0.4184

 65.8803, 0.3813,  
0.4892


 70.4757, 0.3423,  
0.3919


 65.0665, 0.3862,  
0.5065


 72.0027, 0.3302,  
0.3657


 64.3655, 0.3886,  
0.5193

 73.6956, 0.3182,  
0.3403


 63.7632, 0.3883,  
0.5275

 75.5610, 0.3065,  
0.3164

 63.4690, 0.3875,  
0.5305

 77.3850, 0.2974,  
0.2974

 78.0597, 0.3001,  
0.2976

 78.7499, 0.3028,  
0.2979

 79.4557, 0.3055,  
0.2981

# Harmonies

## Analogous

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



67.8884, 0.4148, 0.4210



67.8884, 0.3647, 0.4441



67.8884, 0.3034, 0.4298

# Triad

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



67.8884, 0.3647, 0.4441



67.8884, 0.2010, 0.2615



67.8884, 0.3762, 0.2848

# Complementary

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



67.8884, 0.3647, 0.4441



25.5411, 0.2426, 0.1948

# 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.



67.8884, 0.3119, 0.2504



67.8884, 0.3647, 0.4441



67.8884, 0.2155, 0.2351

# Square

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



67.8884, 0.3647, 0.4441



67.8884, 0.2117, 0.3122



67.8884, 0.2540, 0.2324



67.8884, 0.4246, 0.3298



# Rectangle

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



67.8884, 0.3647, 0.4441



67.8884, 0.2647, 0.3979



67.8884, 0.2540, 0.2324



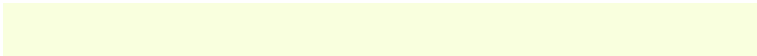
67.8884, 0.3554, 0.2718

# Sweetspot

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



67.8915, 0.3647, 0.4441



96.9331, 0.3284, 0.3617



36.2502, 0.4223, 0.3491



20.6445, 0.3311, 0.3674



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.



67.8915, 0.3647, 0.4441



89.6750, 0.3738, 0.4675



61.9674, 0.3281, 0.4593



15.8985, 0.3240, 0.3524



36.9891, 0.3880, 0.5301



2.5968, 0.3931, 0.5261



# Inverse Universe

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



25.5411, 0.2426, 0.1948



25.7682, 0.2239, 0.1620



30.8260, 0.2859, 0.2095



13.3612, 0.3008, 0.3050



3.4338, 0.1584, 0.0646



0.2733, 0.1720, 0.0721



# Previews

## White Background



This preview shows how the Yxy color 67.8884, 0.3647, 0.4441 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 67.8884, 0.3647, 0.4441 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 67.8884, 0.3647, 0.4441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8884, 0.3647, 0.4441.



This preview shows how white text looks on a background with the Yxy color 67.8884, 0.3647, 0.4441.

# 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

67.8884, 0.3647, 0.4441

### Protanopia

67.8142, 0.3945, 0.4291

### Deuteranopia

67.3858, 0.3991, 0.3940



## Tritanopia

67.8042, 0.3063, 0.3105

# Trichromacy



## Original Color

67.8884, 0.3647, 0.4441

## Protanomaly

67.5555, 0.3835, 0.4344

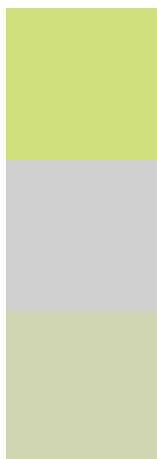
## Deuteranomaly

67.3706, 0.3863, 0.4120

## Tritanomaly

67.1695, 0.3284, 0.3575

# Monochromacy



## Original Color

67.8884, 0.3647, 0.4441

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

64.0282, 0.3333, 0.3714

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8884, 0.3647, 0.4441 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(206, 224, 124)` looks like.

```
.text, #text, p{  
    color:rgb(206, 224, 124)  
}
```

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(206, 224, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 224, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8884, 0.3647, 0.4441 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(206, 224, 124) }
```

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

```
.border{ border-color:rgb(206, 224, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 224, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 224, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 224, 124);  
box-shadow:4px 4px 4px 4px rgb(206, 224,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8884, 0.3647, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 224, 124) }
```

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

```
.background{ background-color: rgb(206,  
224, 124) }
```

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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