

# Converting Colors

Yxy(64.1471, 0.3741, 0.4494)

Have a look what the booklet for  
Yxy(64.1471, 0.3741, 0.4494)  
contains.

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# Color

**Yxy(63.9398, 0.3741, 0.4492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">CED971</a>
RGB	<a href="#">206, 217, 113</a>
RGB Percent	<a href="#">81%, 85%, 44%</a>
CMY	<a href="#">0.1921, 0.1490, 0.5569</a>
CMYK	<a href="#">0.05, 0.00, 0.48, 0.15</a>
HSL	<a href="#">66°, 58%, 65%</a>
HSV	<a href="#">66°, 48%, 85%</a>
XYZ	<a href="#">53.2500, 63.9398, 25.1517</a>
YIQ	<a href="#">201.8550, 26.8280, -34.6760</a>

# Conversions

## Conversions Part 2

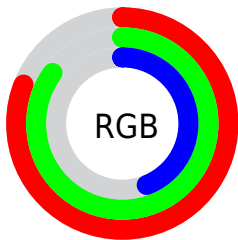
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 217, 124
Decimal	13556081
CIELab	83.93, -18.56, 49.59
CIElCh	84, 52.946, 110.523
Yxy	63.9398, 0.3741, 0.4492
Android (android.graphics.Color)	4291746161 (0xFFCED971)
YUV	201.8550, -43.8055, 3.6352
Hunter-Lab	79.9624, -21.0643, 37.3243

# Details

The Yxy color **63.9398, 0.3741, 0.4492** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0987, 0.2302, 0.1817**, and the grayscale version is **59.2355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **32.6616, 0.3855, 0.4780** is the 20% darker color. If you saturate the color by 10%, you get **63.1855, 0.3842, 0.4709**, and if you desaturate by 10%, it is **64.8216, 0.3624, 0.4251**.

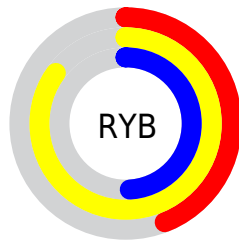
# Distribution



Red (81%)

Green (85%)

Blue (44%)



Red (44%)

Yellow (85%)

Blue (49%)

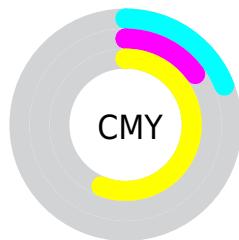


Cyan (5%)

Magenta (0%)

Yellow (48%)

Black (15%)



Cyan (19%)

Magenta (15%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9398, 0.3741, 0.4492 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 63.9398, 0.3741, 0.4492 by changing the saturation by 10% instead.




 63.9398, 0.3741,  
0.4492


 63.9398, 0.3741,  
0.4492


438.9722, 0.3476,  
0.3918

 46.6019, 0.3793,  
0.4623


 110.5242, 0.3655,  
0.4292

 32.7211, 0.3850,  
0.4783


 140.5396, 0.3620,  
0.4214

 21.9129, 0.3912,  
0.4981


 175.5495, 0.3589,  
0.4147

 13.7929, 0.3972,  
0.5227

215.9385, 0.3561,  
0.4089

 7.9767, 0.4021,  
0.5545

262.0908, 0.3536,  
0.4038

 4.0801, 0.4030,  
0.5970

314.3910, 0.3514,

 1.7185, 0.3736,

0.3993

0.6264

373.2233, 0.3494,  
0.3953

0.4356, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.9398, 0.3741,  
0.4492

63.9398, 0.3741,  
0.4492

63.1855, 0.3842,  
0.4709

64.8216, 0.3624,  
0.4251

62.5413, 0.3921,  
0.4893


65.8297, 0.3497,  
0.3996

62.0007, 0.3975,  
0.5036


66.9741, 0.3364,  
0.3738

61.5523, 0.4003,  
0.5134


68.2613, 0.3231,  
0.3484

 61.1801, 0.4007,  
0.5191


 69.6972, 0.3101,  
0.3241

 61.1075, 0.4007,  
0.5200

 71.2877, 0.2976,  
0.3011

 72.3851, 0.2919,  
0.2894

 72.7495, 0.2934,  
0.2896

 73.1188, 0.2949,  
0.2898

# Harmonies

## Analogous

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



63.9398, 0.4245, 0.4205



63.9398, 0.3741, 0.4492



63.9398, 0.3102, 0.4401

# Triad

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



63.9398, 0.3741, 0.4492



63.9398, 0.1956, 0.2627



63.9398, 0.3719, 0.2776

# Complementary

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



63.9398, 0.3741, 0.4492



21.0987, 0.2302, 0.1817

# 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.



63.9398, 0.3037, 0.2435



63.9398, 0.3741, 0.4492



63.9398, 0.2077, 0.2324

# Square

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



63.9398, 0.3741, 0.4492



63.9398, 0.2098, 0.3186



63.9398, 0.2449, 0.2271



63.9398, 0.4263, 0.3235



# Rectangle

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



63.9398, 0.3741, 0.4492



63.9398, 0.2687, 0.4091



63.9398, 0.2449, 0.2271



63.9398, 0.3494, 0.2646

# Sweetspot

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



63.9427, 0.3741, 0.4492



97.2024, 0.3313, 0.3641



30.2052, 0.4384, 0.3419



20.7211, 0.3342, 0.3696



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.



63.9427, 0.3741, 0.4492



91.0012, 0.3847, 0.4721



57.7463, 0.3337, 0.4673



15.1904, 0.3251, 0.3522



37.0183, 0.4010, 0.5198



2.4187, 0.4042, 0.5173



# Inverse Universe

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



21.0987, 0.2302, 0.1817



21.9463, 0.2088, 0.1457



25.9757, 0.2765, 0.1984



12.6827, 0.2997, 0.3049



3.1642, 0.1539, 0.0621



0.2277, 0.1638, 0.0676



# Previews

## White Background



This preview shows how the Yxy color 63.9398, 0.3741, 0.4492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

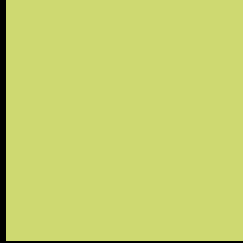
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9398, 0.3741, 0.4492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

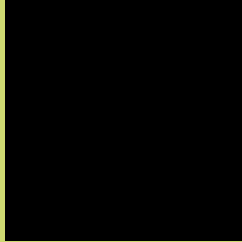
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.9398, 0.3741, 0.4492**

## Background



This preview shows how black text looks on a background with the Yxy color 63.9398, 0.3741, 0.4492.



This preview shows how white text looks on a background with the Yxy color 63.9398, 0.3741, 0.4492.

# 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

63.9398, 0.3741, 0.4492

### Protanopia

63.5497, 0.3997, 0.4360

### Deuteranopia

63.4149, 0.4208, 0.4110



## Tritanopia

63.7885, 0.3113, 0.3113

# Trichromacy



## Original Color

63.9398, 0.3741, 0.4492

## Protanomaly

63.6068, 0.3900, 0.4411

## Deuteranomaly

63.4081, 0.4033, 0.4251

## Tritanomaly

63.2745, 0.3358, 0.3603

# Monochromacy



## Original Color

63.9398, 0.3741, 0.4492

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

60.2244, 0.3362, 0.3736

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9398, 0.3741, 0.4492 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, 217, 113)` looks like.

```
.text, #text, p{  
    color:rgb(206, 217, 113)  
}
```

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, 217, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 217, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9398, 0.3741, 0.4492 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, 217, 113) }
```

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

```
.border{ border-color:rgb(206, 217, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 217, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 217, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 217, 113);  
box-shadow:4px 4px 4px 4px rgb(206, 217,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9398, 0.3741, 0.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 217, 113) }
```

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

```
.background{ background-color: rgb(206,  
217, 113) }
```

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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