

# Converting Colors

$Yxy(63.0091, 0.3982, 0.4702)$

Have a look what the booklet for  
Yxy(63.0091, 0.3982, 0.4702)  
contains.

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# Color

**Yxy(63.0294, 0.3979, 0.4699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6D654
RGB	214, 214, 84
RGB Percent	84%, 84%, 33%
CMY	0.1609, 0.1607, 0.6707
CMYK	0.00, 0.00, 0.61, 0.16
HSL	60°, 61%, 58%
HSV	60°, 61%, 84%
XYZ	53.3718, 63.0294, 17.7325
YIQ	199.1800, 41.7300, -40.4300

# Conversions

## Conversions Part 2

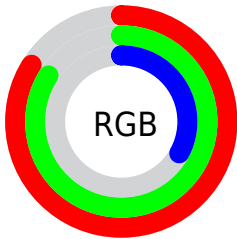
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 214, 84
Decimal	14079572
CIE <sub>Lab</sub>	83.46, -16.19, 62.26
CIE <sub>LCh</sub>	83, 64.331, 104.580
Yxy	63.0294, 0.3979, 0.4699
Android (android.graphics.Color)	4292269652 (0xFFD6D654)
YUV	199.1800, -56.7837, 12.9971
Hunter-Lab	79.3911, -18.9352, 42.3310

# Details

The Yxy color **63.0294, 0.3979, 0.4699** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.0761, 0.1951, 0.1345**, and the grayscale version is **57.5621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **32.2755, 0.4105, 0.5010** is the 20% darker color. If you saturate the color by 10%, you get **62.7458, 0.4070, 0.4850**, and if you desaturate by 10%, it is **63.4212, 0.3865, 0.4511**.

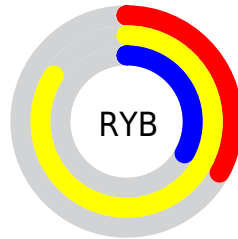
# Distribution



Red (84%)

Green (84%)

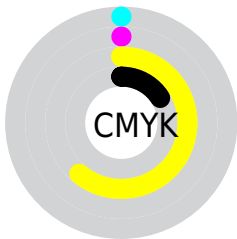
Blue (33%)



Red (33%)

Yellow (84%)

Blue (33%)

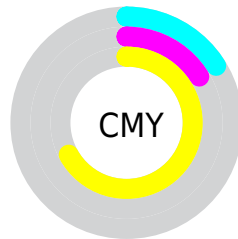


Cyan (0%)

Magenta (0%)

Yellow (61%)

Black (16%)



Cyan (16%)

Magenta (16%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0294, 0.3979, 0.4699 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 63.0294, 0.3979, 0.4699 by changing the saturation by 10% instead.





 63.0294, 0.3979,  
0.4699


 63.0294, 0.3979,  
0.4699


435.6762, 0.3620,  
0.4045


 45.8650, 0.4044,  
0.4839


 109.2119, 0.3867,  
0.4477


 32.1393, 0.4112,  
0.5003

 138.9988, 0.3819,  
0.4389

 21.4679, 0.4179,  
0.5195


 173.7620, 0.3776,  
0.4313

 13.4665, 0.4230,  
0.5414

 213.8859, 0.3738,  
0.4245

 7.7505, 0.4285,  
0.5715

259.7549, 0.3704,  
0.4186

 3.9357, 0.4131,  
0.5869

311.7533, 0.3673,

 1.6377, 0.3870,

0.4134

0.6130

370.2656, 0.3645,  
0.4087

■ 0.3828, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.0294, 0.3979,  
0.4699

■ 63.0294, 0.3979,  
0.4699

■ 62.7458, 0.4070,  
0.4850

■ 63.4212, 0.3865,  
0.4511

■ 62.5520, 0.4135,  
0.4958

■ 63.9210, 0.3733,  
0.4292

■ 62.4395, 0.4175,  
0.5023

■ 64.5392, 0.3589,  
0.4054

■ 62.3889, 0.4193,  
0.5053

■ 65.2828, 0.3438,  
0.3805

■ 66.1581, 0.3287,  
0.3554

■ 67.1710, 0.3138,  
0.3308

■ 68.3273, 0.2996,  
0.3074

■ 69.6206, 0.2864,  
0.2855

■ 69.6216, 0.2864,  
0.2855

# Harmonies

## Analogous

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



63.0294, 0.4544, 0.4252



63.0294, 0.3979, 0.4699



63.0294, 0.3227, 0.4741

# Triad

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



63.0294, 0.3979, 0.4699



63.0294, 0.1749, 0.2582



63.0294, 0.3680, 0.2581

# Complementary

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



63.0294, 0.3979, 0.4699



13.0761, 0.1951, 0.1345

# Split Complementary

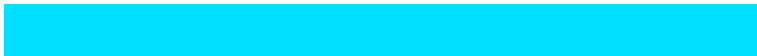
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.0294, 0.2853, 0.2223



63.0294, 0.3979, 0.4699



63.0294, 0.1833, 0.2179

# Square

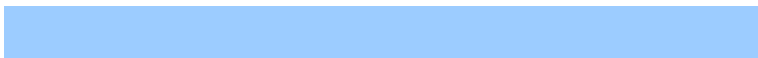
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.0294, 0.3979, 0.4699



63.0294, 0.1965, 0.3310



63.0294, 0.2204, 0.2075



63.0294, 0.4411, 0.3090



# Rectangle

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



63.0294, 0.3979, 0.4699



63.0294, 0.2721, 0.4431



63.0294, 0.2204, 0.2075



63.0294, 0.3398, 0.2442

# Sweetspot

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



63.0323, 0.3979, 0.4699



97.3857, 0.3399, 0.3740



21.2731, 0.5035, 0.3296



20.7676, 0.3444, 0.3813



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.



63.0323, 0.3979, 0.4699



93.1970, 0.4092, 0.4886



55.1286, 0.3452, 0.5003



14.5198, 0.3266, 0.3520



37.7044, 0.4193, 0.5053



2.2742, 0.4193, 0.5053



# Inverse Universe

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



13.0761, 0.1951, 0.1345



12.7196, 0.1724, 0.0969



17.5796, 0.2499, 0.1586



12.0089, 0.2981, 0.3049



2.9349, 0.1500, 0.0600



0.1771, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 63.0294, 0.3979, 0.4699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

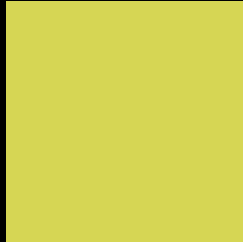
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0294, 0.3979, 0.4699 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 63.0294, 0.3979, 0.4699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0294, 0.3979, 0.4699.



This preview shows how white text looks on a background with the Yxy color 63.0294, 0.3979, 0.4699.

# 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

63.0294, 0.3979, 0.4699

### Protanopia

62.8768, 0.4177, 0.4579

### Deuteranopia

62.6075, 0.4321, 0.4238



## Tritanopia

63.0620, 0.3220, 0.3126

# Trichromacy



## Original Color

63.0294, 0.3979, 0.4699

## Protanomaly

62.7253, 0.4100, 0.4621

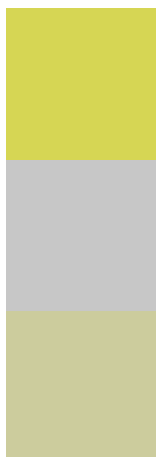
## Deuteranomaly

62.5372, 0.4200, 0.4408

## Tritanomaly

62.4994, 0.3533, 0.3726

# Monochromacy



## Original Color

63.0294, 0.3979, 0.4699

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.4574, 0.3472, 0.3860

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0294, 0.3979, 0.4699 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(214, 214, 84)` looks like.

```
.text, #text, p{  
    color:rgb(214, 214, 84)  
}
```

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(214, 214, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 214, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0294, 0.3979, 0.4699 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(214, 214, 84) }
```

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

```
.border{ border-color:rgb(214, 214, 84) }
```

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

Here you see how a box with a 4 pixel rgb(214, 214, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 214, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 214, 84);  
box-shadow:4px 4px 4px 4px rgb(214, 214,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0294, 0.3979, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 214, 84) }
```

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

```
.background{ background-color: rgb(214,  
214, 84) }
```

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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