

# Converting Colors

$Y_{xy}(64.2296, 0.4274, 0.4989)$

Have a look what the booklet for  
Yxy(64.2296, 0.4274, 0.4989)  
contains.

<b>Yxy(63.9404, 0.4274, 0.4988)</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(63.9404, 0.4274, 0.4988)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0D600
RGB	224, 214, 0
RGB Percent	88%, 84%, 0%
CMY	0.1216, 0.1608, 0.9990
CMYK	0.00, 0.04, 1.00, 0.12
HSL	57°, 100%, 44%
HSV	57°, 100%, 88%
XYZ	54.7877, 63.9404, 9.4603
YIQ	192.5940, 74.6540, -64.4340

# Conversions

## Conversions Part 2

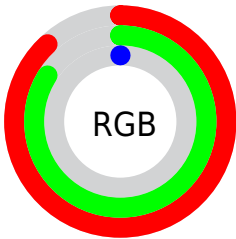
Format	Color
R <sub>Y</sub> B	10, 224, 0
Decimal	14734848
CIE Lab	83.93, -14.63, 83.72
CIE LCh	84, 84.989, 99.915
Yxy	63.9404, 0.4274, 0.4988
Android (android.graphics.Color)	4292924928 (0xFFE0D600)
YUV	192.5940, -94.9488, 27.5431
Hunter-Lab	79.9627, -17.6327, 48.9594

# Details

The Yxy color **63.9404, 0.4274, 0.4988** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **5.6055, 0.1507, 0.0622**, and the grayscale version is **53.6307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **33.0341, 0.4236, 0.5019** is the 20% darker color. If you saturate the color by 10%, you get **63.9374, 0.4274, 0.4988**, and if you desaturate by 10%, it is **64.5113, 0.4244, 0.4961**.

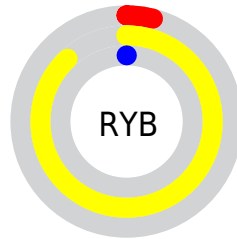
# Distribution



Red (88%)

Green (84%)

Blue (0%)



Red (4%)

Yellow (88%)

Blue (0%)

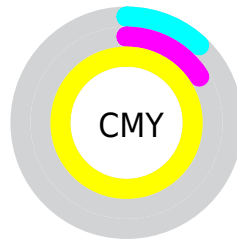


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (16%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9404, 0.4274, 0.4988 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 63.9404, 0.4274, 0.4988 by changing the saturation by 10% instead.





 63.9404, 0.4274,  
0.4988

 63.9404, 0.4274,  
0.4988


438.9744, 0.3832,  
0.4256

 46.6024, 0.4336,  
0.5121


 110.5251, 0.4149,  
0.4758


 32.7215, 0.4391,  
0.5262


 140.5406, 0.4092,  
0.4661


 21.9131, 0.4429,  
0.5411


 175.5507, 0.4039,  
0.4574

 13.7931, 0.4438,  
0.5562

 215.9398, 0.3990,  
0.4497

 7.9769, 0.4349,  
0.5651

 262.0924, 0.3945,  
0.4427

 4.0802, 0.4213,  
0.5787


 314.3927, 0.3904,


 1.7185, 0.3985,


0.4364


0.6015

373.2252, 0.3867,  
0.4308


 0.4356, 0.1153,  
0.8847


 0.0000, 0.0000,  
0.0000

 63.9404, 0.4274,  
0.4988


 63.9404, 0.4274,  
0.4988

 63.9374, 0.4274,  
0.4988

 64.5113, 0.4244,  
0.4961

 65.1517, 0.4192,  
0.4897

 65.8867, 0.4112,  
0.4789

 66.7289, 0.4008,  
0.4638

67.6891, 0.3881,  
0.4452

68.7766, 0.3738,  
0.4237

69.9999, 0.3586,  
0.4004

71.3666, 0.3430,  
0.3763

72.8838, 0.3275,  
0.3522

# Harmonies

## Analogous

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



63.9404, 0.4976, 0.4300



63.9404, 0.4274, 0.4988



63.9404, 0.3342, 0.5277

# Triad

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



63.9404, 0.4274, 0.4988



63.9404, 0.1429, 0.2460



63.9404, 0.3661, 0.2313

# Complementary

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



63.9404, 0.4274, 0.4988



5.6055, 0.1507, 0.0622

# 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.



63.9404, 0.2608, 0.1919



63.9404, 0.4274, 0.4988



63.9404, 0.1486, 0.1930

# Square

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



63.9404, 0.4274, 0.4988



63.9404, 0.1721, 0.3463



63.9404, 0.1869, 0.1778



63.9404, 0.4689, 0.2895



# Rectangle

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



63.9404, 0.4274, 0.4988



63.9404, 0.2702, 0.4984



63.9404, 0.1869, 0.1778



63.9404, 0.3288, 0.2156

# Sweetspot

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



63.9434, 0.4274, 0.4988



93.8540, 0.3591, 0.4012



15.8775, 0.6358, 0.3277



19.9351, 0.3656, 0.4112



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.



63.9434, 0.4274, 0.4988



85.7280, 0.4275, 0.4988



57.5446, 0.3429, 0.5659



15.9191, 0.3268, 0.3511



37.2636, 0.4273, 0.4989



2.6158, 0.4260, 0.5000



# Inverse Universe

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



5.6055, 0.1507, 0.0622



7.4684, 0.1505, 0.0619



8.1498, 0.1919, 0.0831



13.3409, 0.2981, 0.3058



3.3032, 0.1508, 0.0629

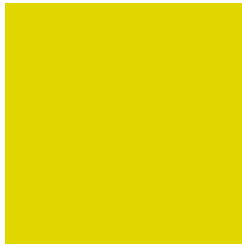


0.2641, 0.1532, 0.0714



# Previews

## White Background



This preview shows how the Yxy color 63.9404, 0.4274, 0.4988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

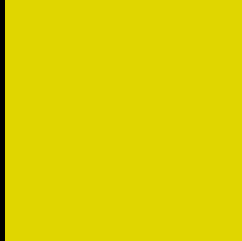
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9404, 0.4274, 0.4988 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 63.9404, 0.4274, 0.4988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9404, 0.4274, 0.4988.



This preview shows how white text looks on a background with the Yxy color 63.9404, 0.4274, 0.4988.

# 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

63.9404, 0.4274, 0.4988

### Protanopia

63.9261, 0.4404, 0.4885

### Deuteranopia

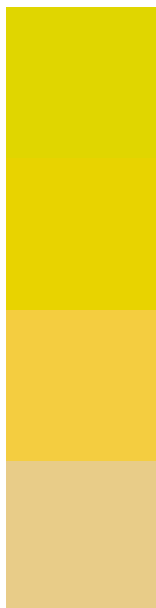
63.4887, 0.4320, 0.4272



## Tritanopia

63.7064, 0.3315, 0.3130

# Trichromacy



## Original Color

63.9404, 0.4274, 0.4988

## Protanomaly

63.7443, 0.4364, 0.4917

## Deuteranomaly

63.2659, 0.4377, 0.4610

## Tritanomaly

62.1191, 0.3862, 0.4044

# Monochromacy



## Original Color

63.9404, 0.4274, 0.4988

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

56.0407, 0.3730, 0.4234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9404, 0.4274, 0.4988 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(224, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 214, 0)  
}
```

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(224, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 214, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9404, 0.4274, 0.4988 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(224, 214, 0) }
```

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

```
.border{ border-color:rgb(224, 214, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 214,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9404, 0.4274, 0.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 214, 0) }
```

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

```
.background{ background-color: rgb(224,  
214, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor