

# Converting Colors

Yxy(64.9821, 0.3971, 0.4324)

Have a look what the booklet for  
Yxy(64.9821, 0.3971, 0.4324)  
contains.

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# **Color**

**Yxy(64.9821, 0.3971, 0.4324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D373
RGB	232, 211, 115
RGB Percent	91%, 83%, 45%
CMY	0.0901, 0.1726, 0.5489
CMYK	0.00, 0.09, 0.50, 0.09
HSL	49°, 72%, 68%
HSV	49°, 50%, 91%
XYZ	59.6771, 64.9821, 25.6231
YIQ	206.3350, 43.3320, -25.4040

# Conversions

## Conversions Part 2

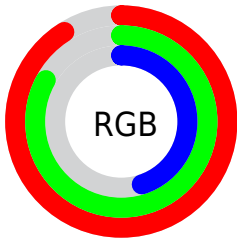
Format	Color
<a href="#">RYB</a>	<a href="#">141, 232, 115</a>
Decimal	<a href="#">15258483</a>
CIELab	<a href="#">84.47, -4.93, 49.75</a>
CIELCh	<a href="#">84, 49.998, 95.662</a>
Yxy	<a href="#">64.9821, 0.3971, 0.4324</a>
Android (android.graphics.Color)	<a href="#">4293448563 (0xFFE8D373)</a>
YUV	<a href="#">206.3350, -45.0282, 22.5082</a>
Hunter-Lab	<a href="#">80.6115, -8.9255, 37.5821</a>

# Details

The Yxy color **64.9821, 0.3971, 0.4324** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.1015, 0.2214, 0.1970**, and the grayscale version is **62.2262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **33.4715, 0.4141, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **62.4699, 0.4134, 0.4492**, and if you desaturate by 10%, it is **67.6887, 0.3799, 0.4131**.

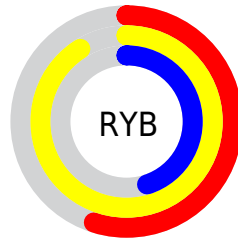
# Distribution



Red (91%)

Green (83%)

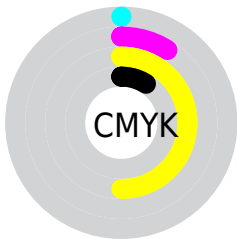
Blue (45%)



Red (55%)

Yellow (91%)

Blue (45%)

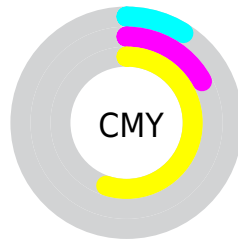


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (9%)



Cyan (9%)

Magenta (17%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9821, 0.3971, 0.4324 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 64.9821, 0.3971, 0.4324 by changing the saturation by 10% instead.




 64.9821, 0.3971,  
0.4324


 64.9821, 0.3971,  
0.4324


442.7276, 0.3592,  
0.3848

 47.4466, 0.4050,  
0.4427


 112.0241, 0.3845,  
0.4162

 33.3888, 0.4143,  
0.4550


 142.2994, 0.3794,  
0.4098

 22.4245, 0.4250,  
0.4697


 177.5900, 0.3749,  
0.4043

 14.1691, 0.4372,  
0.4871

218.2805, 0.3710,  
0.3994

 8.2384, 0.4505,  
0.5078

264.7550, 0.3676,  
0.3951

 4.2479, 0.4658,  
0.5342

317.3982, 0.3645,

 1.8132, 0.4587,

0.3913

0.5413

376.5942, 0.3617,  
0.3879

■ 0.4954, 0.4143,  
0.5857

■ 0.0000, 0.0000,  
0.0000

■ 64.9821, 0.3971,  
0.4324

■ 64.9821, 0.3971,  
0.4324

■ 62.4699, 0.4134,  
0.4492

■ 67.6887, 0.3799,  
0.4131

■ 60.1322, 0.4279,  
0.4626


■ 70.5901, 0.3624,  
0.3924

■ 57.9599, 0.4400,  
0.4716


■ 73.6981, 0.3452,  
0.3712


■ 55.9385, 0.4493,  
0.4760

■ 77.0210, 0.3288,  
0.3502

 54.1222, 0.4557,  
0.4764

 80.5664, 0.3134,  
0.3299

 84.3413, 0.2991,  
0.3106

 86.8214, 0.2987,  
0.3141

 89.3093, 0.2987,  
0.3183

 91.8542, 0.2987,  
0.3225

# Harmonies

## Analogous

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



64.9821, 0.4321, 0.3955



64.9821, 0.3971, 0.4324



64.9821, 0.3413, 0.4426

# Triad

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



64.9821, 0.3971, 0.4324



64.9821, 0.2054, 0.2904



64.9821, 0.3369, 0.2626

# Complementary

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



64.9821, 0.3971, 0.4324



27.1015, 0.2214, 0.1970

# 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.



64.9821, 0.2749, 0.2379



64.9821, 0.3971, 0.4324



64.9821, 0.2045, 0.2491

# Square

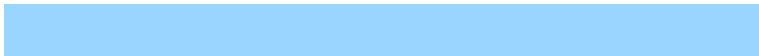
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.9821, 0.3971, 0.4324



64.9821, 0.2318, 0.3517



64.9821, 0.2284, 0.2323



64.9821, 0.3973, 0.3016



# Rectangle

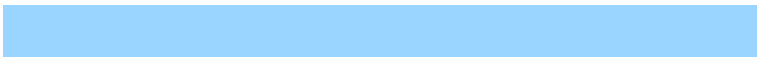
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.9821, 0.3971, 0.4324



64.9821, 0.3004, 0.4269



64.9821, 0.2284, 0.2323



64.9821, 0.3153, 0.2525

# Sweetspot

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



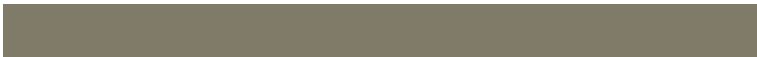
64.9851, 0.3971, 0.4324



93.4662, 0.3363, 0.3599



31.2196, 0.4291, 0.3052



19.8198, 0.3398, 0.3643



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.



64.9851, 0.3971, 0.4324



77.1222, 0.4147, 0.4505



70.5715, 0.3583, 0.4642



16.3531, 0.3272, 0.3481



30.2054, 0.4550, 0.4769



2.3476, 0.4489, 0.4818



# Inverse Universe

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



27.1015, 0.2214, 0.1970



25.1864, 0.2007, 0.1636



24.7777, 0.2443, 0.1798



14.3042, 0.2980, 0.3091



4.2729, 0.1547, 0.0768

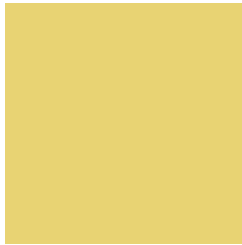


0.4381, 0.1616, 0.1015



# Previews

## White Background



This preview shows how the Yxy color 64.9821, 0.3971, 0.4324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

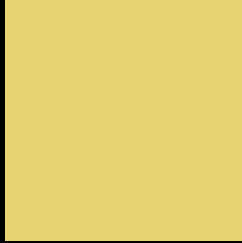
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9821, 0.3971, 0.4324 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 64.9821, 0.3971, 0.4324**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9821, 0.3971, 0.4324.



This preview shows how white text looks on a background with the Yxy color 64.9821, 0.3971, 0.4324.

# 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

64.9821, 0.3971, 0.4324

### Protanopia

64.9821, 0.3971, 0.4324

### Deuteranopia

64.9817, 0.4142, 0.4074



## Tritanopia

65.0921, 0.3346, 0.3132

# Trichromacy



## Original Color

64.9821, 0.3971, 0.4324

## Protanomaly

64.9821, 0.3971, 0.4324

## Deuteranomaly

64.8173, 0.4087, 0.4163

## Tritanomaly

64.6175, 0.3585, 0.3564

# Monochromacy



## Original Color

64.9821, 0.3971, 0.4324

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.5760, 0.3434, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9821, 0.3971, 0.4324 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(232, 211, 115)` looks like.

```
.text, #text, p{  
    color:rgb(232, 211, 115)  
}
```

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(232, 211, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 211, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9821, 0.3971, 0.4324 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(232, 211, 115) }
```

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

```
.border{ border-color:rgb(232, 211, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 211, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 211, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 211, 115);  
box-shadow:4px 4px 4px 4px rgb(232, 211,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9821, 0.3971, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 211, 115) }
```

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

```
.background{ background-color: rgb(232,  
211, 115) }
```

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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