

# Converting Colors

$Y_{xy}(74.5945, 0.3956, 0.4421)$

Have a look what the booklet for  
Yxy(74.5945, 0.3956, 0.4421)  
contains.

<b>Yxy(74.3544, 0.3958, 0.4417)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(74.3544, 0.3958, 0.4417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E274
RGB	241, 226, 116
RGB Percent	95%, 89%, 45%
CMY	0.0548, 0.1137, 0.5452
CMYK	0.00, 0.06, 0.52, 0.05
HSL	53°, 82%, 70%
HSV	53°, 52%, 95%
XYZ	66.6277, 74.3544, 27.3547
YIQ	217.9450, 44.2500, -31.0300

# Conversions

## Conversions Part 2

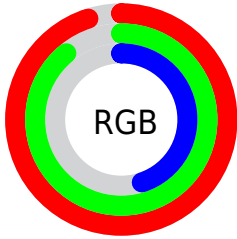
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 241, 116
Decimal	15852148
CIE <sub>Lab</sub>	89.09, -8.81, 54.99
CIE <sub>LCh</sub>	89, 55.692, 99.102
Yxy	74.3544, 0.3958, 0.4417
Android (android.graphics.Color)	4294042228 (0xFFFF1E274)
YUV	217.9450, -50.2589, 20.2192
Hunter-Lab	86.2290, -12.9767, 41.5515

# Details

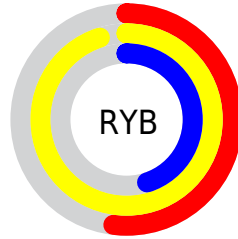
The Yxy color **74.3544, 0.3958, 0.4417** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.2937, 0.2164, 0.1824**, and the grayscale version is **70.4032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **39.5520, 0.4115, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **72.3070, 0.4101, 0.4589**, and if you desaturate by 10%, it is **76.5807, 0.3801, 0.4218**.

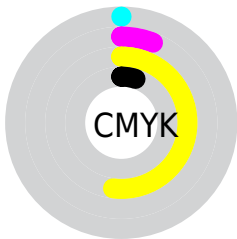
# Distribution



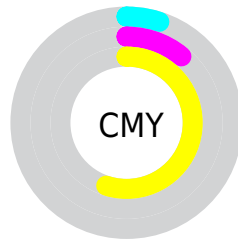
- Red (95%)
- Green (89%)
- Blue (45%)



- Red (52%)
- Yellow (95%)
- Blue (45%)



- Cyan (0%)
- Magenta (6%)
- Yellow (52%)
- Black (5%)



- Cyan (5%)
- Magenta (11%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3544, 0.3958, 0.4417 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 74.3544, 0.3958, 0.4417 by changing the saturation by 10% instead.




 74.3544, 0.3958,  
0.4417


 74.3544, 0.3958,  
0.4417

475.6956, 0.3600,  
0.3909

 55.0842, 0.4029,  
0.4525


 125.3981, 0.3841,  
0.4246

 39.4691, 0.4110,  
0.4652


 157.9403, 0.3794,  
0.4178

 27.1249, 0.4202,  
0.4803


 195.6753, 0.3752,  
0.4119

 17.6670, 0.4301,  
0.4980

238.9874, 0.3714,  
0.4066

 10.7112, 0.4398,  
0.5183

288.2611, 0.3681,  
0.4020

 5.8730, 0.4527,  
0.5473

343.8808, 0.3651,

 2.7680, 0.4425,

0.3979

0.5575

406.2308, 0.3624,  
0.3942

■ 1.0118, 0.4229,  
0.5771

■ 0.0000, 0.0000,  
0.0000

■ 74.3544, 0.3958,  
0.4417

■ 74.3544, 0.3958,  
0.4417

■ 72.3070, 0.4101,  
0.4589

■ 76.5807, 0.3801,  
0.4218

■ 70.4166, 0.4223,  
0.4723


■ 78.9860, 0.3636,  
0.4000

■ 68.6733, 0.4320,  
0.4814

■ 81.5832, 0.3471,  
0.3775


■ 67.0609, 0.4388,  
0.4859

■ 84.3811, 0.3309,  
0.3549

 65.8278, 0.4426,  
0.4868

 87.3877, 0.3155,  
0.3330

 90.2456, 0.3043,  
0.3175

 91.9953, 0.3043,  
0.3204

 93.7723, 0.3042,  
0.3233

 95.5770, 0.3042,  
0.3261

# Harmonies

## Analogous

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



74.3544, 0.4367, 0.4040



74.3544, 0.3958, 0.4417



74.3544, 0.3350, 0.4491

# Triad

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



74.3544, 0.3958, 0.4417



74.3544, 0.1978, 0.2812



74.3544, 0.3462, 0.2628

# Complementary

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



74.3544, 0.3958, 0.4417



26.2937, 0.2164, 0.1824

# 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.



74.3544, 0.2793, 0.2349



74.3544, 0.3958, 0.4417



74.3544, 0.2001, 0.2408

# Square

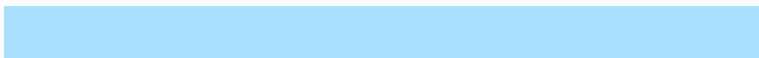
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.3544, 0.3958, 0.4417



74.3544, 0.2223, 0.3448



74.3544, 0.2279, 0.2263



74.3544, 0.4089, 0.3051



# Rectangle

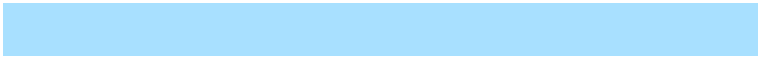
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.3544, 0.3958, 0.4417



74.3544, 0.2919, 0.4291



74.3544, 0.2279, 0.2263



74.3544, 0.3231, 0.2516

# Sweetspot

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



74.3579, 0.3958, 0.4417



94.5588, 0.3376, 0.3643



32.8728, 0.4428, 0.3114



20.0991, 0.3409, 0.3690



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.



74.3579, 0.3958, 0.4417



82.1199, 0.4105, 0.4593



75.8063, 0.3548, 0.4705



18.1160, 0.3271, 0.3496



35.8238, 0.4421, 0.4871



3.0707, 0.4387, 0.4899



# Inverse Universe

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



26.2937, 0.2164, 0.1824



22.2205, 0.1963, 0.1494



26.5001, 0.2468, 0.1768



15.5344, 0.2980, 0.3075



4.0196, 0.1525, 0.0689



0.4328, 0.1573, 0.0862



# Previews

## White Background



This preview shows how the Yxy color 74.3544, 0.3958, 0.4417 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 74.3544, 0.3958, 0.4417 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 74.3544, 0.3958, 0.4417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3544, 0.3958, 0.4417.

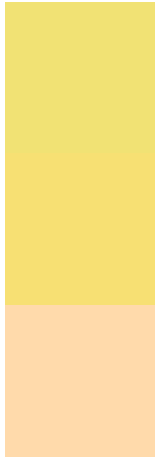


This preview shows how white text looks on a background with the Yxy color 74.3544, 0.3958, 0.4417.

# 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

74.3544, 0.3958, 0.4417

### Protanopia

74.3233, 0.4020, 0.4387

### Deuteranopia

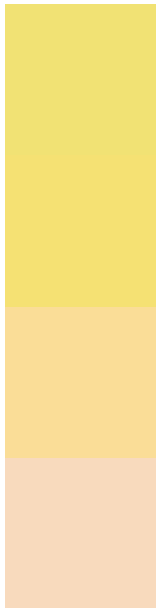
74.3431, 0.3739, 0.3774



## Tritanopia

73.9971, 0.3297, 0.3119

# Trichromacy



## Original Color

74.3544, 0.3958, 0.4417

## Protanomaly

74.5007, 0.4000, 0.4403

## Deuteranomaly

74.2713, 0.3830, 0.4014

## Tritanomaly

73.7734, 0.3555, 0.3594

# Monochromacy



## Original Color

74.3544, 0.3958, 0.4417

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.2178, 0.3436, 0.3733

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3544, 0.3958, 0.4417 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(241, 226, 116)` looks like.

```
.text, #text, p{  
    color:rgb(241, 226, 116)  
}
```

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(241, 226, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 226, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3544, 0.3958, 0.4417 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(241, 226, 116) }
```

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

```
.border{ border-color:rgb(241, 226, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 226, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 226, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 226, 116);  
box-shadow:4px 4px 4px 4px rgb(241, 226,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3544, 0.3958, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 226, 116) }
```

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

```
.background{ background-color: rgb(241,  
226, 116) }
```

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