

# Converting Colors

$Y_{xy}(76.2928, 0.3740, 0.4066)$

Have a look what the booklet for  
Yxy(76.2928, 0.3740, 0.4066)  
contains.

<b>Yxy(76.2928, 0.3740, 0.4066)</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(76.2928, 0.3740, 0.4066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3E399
RGB	243, 227, 153
RGB Percent	95%, 89%, 60%
CMY	0.0471, 0.1098, 0.4000
CMYK	0.00, 0.07, 0.37, 0.05
HSL	49°, 79%, 78%
HSV	49°, 37%, 95%
XYZ	70.1759, 76.2928, 41.1673
YIQ	223.3480, 33.2900, -19.6220

# Conversions

## Conversions Part 2

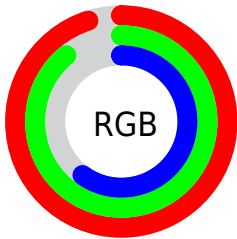
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 243, 153
Decimal	15983513
CIE <sub>Lab</sub>	90.00, -4.96, 38.13
CIE <sub>LCh</sub>	90, 38.452, 97.418
Yxy	76.2928, 0.3740, 0.4066
Android (android.graphics.Color)	4294173593 (0xFF3E399)
YUV	223.3480, -34.6816, 17.2348
Hunter-Lab	87.3457, -9.4435, 33.1978

# Details

The Yxy color **76.2928, 0.3740, 0.4066** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.6093, 0.2477, 0.2369**, and the grayscale version is **74.2867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **40.8837, 0.3872, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **73.2440, 0.3914, 0.4265**, and if you desaturate by 10%, it is **79.5711, 0.3565, 0.3855**.

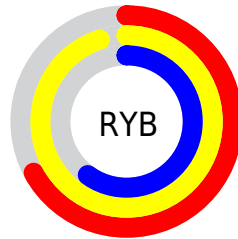
# Distribution



Red (95%)

Green (89%)

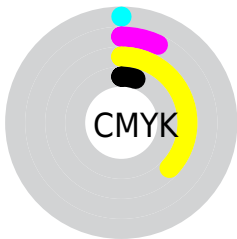
Blue (60%)



Red (67%)

Yellow (95%)

Blue (60%)

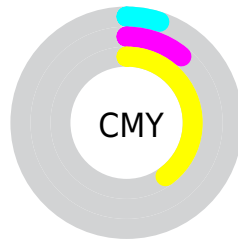


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (5%)



Cyan (5%)

Magenta (11%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2928, 0.3740, 0.4066 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 76.2928, 0.3740, 0.4066 by changing the saturation by 10% instead.




 76.2928, 0.3740,  
0.4066

 76.2928, 0.3740,  
0.4066


482.3494, 0.3466,  
0.3712

 56.6726, 0.3799,  
0.4144


 128.1407, 0.3648,  
0.3945

 40.7425, 0.3869,  
0.4239


 161.1372, 0.3611,  
0.3897

 28.1179, 0.3954,  
0.4356


199.3614, 0.3579,  
0.3856

 18.4146, 0.4058,  
0.4501

243.1974, 0.3551,  
0.3820

 11.2480, 0.4184,  
0.4686

293.0299, 0.3526,  
0.3788

 6.2339, 0.4332,  
0.4918


349.2431, 0.3504,


 2.9878, 0.4630,


0.3760


412.2215, 0.3484,  
0.3735


0.5370


 1.1254, 0.4534,  
0.5466


 0.0000, 0.0000,  
0.0000


 76.2928, 0.3740,  
0.4066

 76.2928, 0.3740,  
0.4066


 73.2440, 0.3914,  
0.4265


 79.5711, 0.3565,  
0.3855


 70.4039, 0.4080,  
0.4444

 83.0781, 0.3396,  
0.3642

 67.7643, 0.4232,  
0.4590

 86.8260, 0.3234,  
0.3432

 65.3124, 0.4361,  
0.4696

 90.8233, 0.3084,  
0.3231

63.0330, 0.4462,  
0.4755

93.7575, 0.3055,  
0.3227

60.9066, 0.4534,  
0.4768

96.4475, 0.3054,  
0.3269

60.2952, 0.4552,  
0.4767

97.7908, 0.3053,  
0.3290

# Harmonies

## Analogous

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



76.2928, 0.3998, 0.3824



76.2928, 0.3740, 0.4066



76.2928, 0.3326, 0.4097

# Triad

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



76.2928, 0.3740, 0.4066



76.2928, 0.2316, 0.2999



76.2928, 0.3338, 0.2806

# Complementary

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



76.2928, 0.3740, 0.4066



41.6093, 0.2477, 0.2369

# 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.



76.2928, 0.2879, 0.2608



76.2928, 0.3740, 0.4066



76.2928, 0.2318, 0.2691

# Square

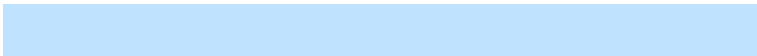
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2928, 0.3740, 0.4066



76.2928, 0.2513, 0.3434



76.2928, 0.2515, 0.2561



76.2928, 0.3764, 0.3114

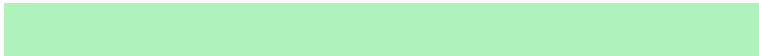


# Rectangle

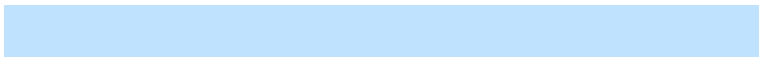
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2928, 0.3740, 0.4066



76.2928, 0.3023, 0.3966



76.2928, 0.2515, 0.2561



76.2928, 0.3181, 0.2725

# Sweetspot

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



76.2963, 0.3740, 0.4066



95.1885, 0.3298, 0.3515



44.7198, 0.3864, 0.3111



20.2523, 0.3319, 0.3544



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.



76.2963, 0.3740, 0.4066



82.7053, 0.3864, 0.4209



80.7580, 0.3480, 0.4280



18.7840, 0.3273, 0.3483



33.2789, 0.4546, 0.4773



3.0529, 0.4494, 0.4814



# Inverse Universe

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



41.6093, 0.2477, 0.2369



39.1333, 0.2336, 0.2157



39.1395, 0.2660, 0.2227



16.4021, 0.2979, 0.3089



4.6411, 0.1545, 0.0761

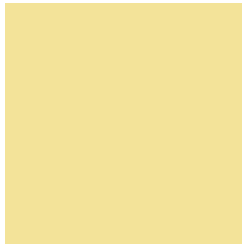


0.5381, 0.1601, 0.0965



# Previews

## White Background



This preview shows how the Yxy color 76.2928, 0.3740, 0.4066 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 76.2928, 0.3740, 0.4066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

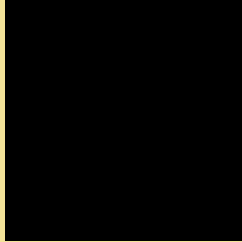
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.2928, 0.3740, 0.4066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2928, 0.3740, 0.4066.

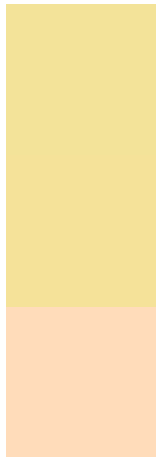


This preview shows how white text looks on a background with the Yxy color 76.2928, 0.3740, 0.4066.

# 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

76.2928, 0.3740, 0.4066

### Protanopia

76.1051, 0.3759, 0.4052

### Deuteranopia

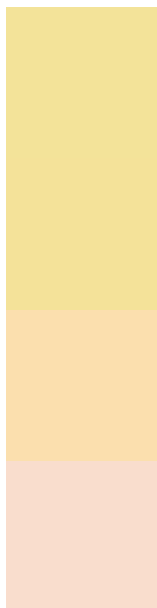
75.9916, 0.3625, 0.3639



## Tritanopia

76.2617, 0.3265, 0.3120

# Trichromacy



## Original Color

76.2928, 0.3740, 0.4066

## Protanomaly

75.9257, 0.3752, 0.4054

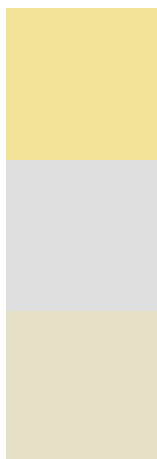
## Deuteranomaly

76.3406, 0.3671, 0.3797

## Tritanomaly

76.2604, 0.3441, 0.3456

# Monochromacy



## Original Color

76.2928, 0.3740, 0.4066

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.2115, 0.3344, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2928, 0.3740, 0.4066 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(243, 227, 153)` looks like.

```
.text, #text, p{  
    color:rgb(243, 227, 153)  
}
```

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(243, 227, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 227, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2928, 0.3740, 0.4066 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(243, 227, 153) }
```

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

```
.border{ border-color:rgb(243, 227, 153) }
```

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

Here you see how a box with a 4 pixel rgb(243, 227, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 227, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 227, 153);  
box-shadow:4px 4px 4px 4px rgb(243, 227,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2928, 0.3740, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 227, 153) }
```

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

```
.background{ background-color: rgb(243,  
227, 153) }
```

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