

# Converting Colors

$Y_{xy}(74.8700, 0.3706, 0.4283)$

Have a look what the booklet for  
Yxy(74.8700, 0.3706, 0.4283)  
contains.

<b>Yxy(74.9226, 0.3710, 0.4284)</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(74.9226, 0.3710, 0.4284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E68A
RGB	228, 230, 138
RGB Percent	89%, 90%, 54%
CMY	0.1058, 0.0980, 0.4589
CMYK	0.01, 0.00, 0.40, 0.10
HSL	61°, 65%, 72%
HSV	61°, 40%, 90%
XYZ	64.8840, 74.9226, 35.0828
YIQ	218.9140, 28.3400, -29.0360

# Conversions

## Conversions Part 2

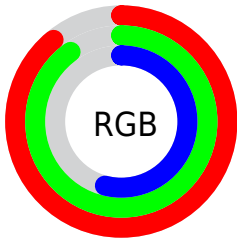
Format	Color
R <sub>Y</sub> B	138, 230, 140
Decimal	15001226
CIE Lab	89.36, -13.87, 44.54
CIE LCh	89, 46.648, 107.298
Yxy	74.9226, 0.3710, 0.4284
Android (android.graphics.Color)	4293191306 (0xFFE4E68A)
YUV	218.9140, -39.8906, 7.9684
Hunter-Lab	86.5578, -17.6722, 36.5596

# Details

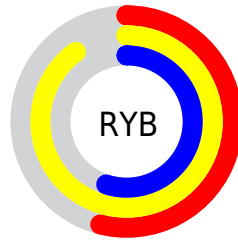
The Yxy color **74.9226, 0.3710, 0.4284** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.4609, 0.2400, 0.2069**, and the grayscale version is **71.0464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **39.9898, 0.3818, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **74.2481, 0.3839, 0.4508**, and if you desaturate by 10%, it is **75.7452, 0.3568, 0.4041**.

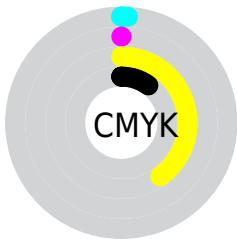
# Distribution



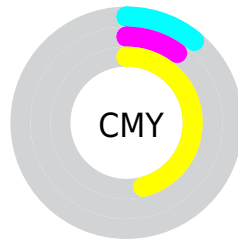
- Red (89%)
- Green (90%)
- Blue (54%)



- Red (54%)
- Yellow (90%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (40%)
- Black (10%)




- Cyan (11%)
- Magenta (10%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9226, 0.3710, 0.4284 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 74.9226, 0.3710, 0.4284 by changing the saturation by 10% instead.




 74.9226, 0.3710,  
0.4284

 74.9226, 0.3710,  
0.4284


477.6515, 0.3457,  
0.3823

 55.5495, 0.3762,  
0.4387


 126.2028, 0.3627,  
0.4125

 39.8418, 0.3822,  
0.4512

 158.8787, 0.3593,  
0.4063

 27.4152, 0.3891,  
0.4667


 196.7576, 0.3563,  
0.4009

 17.8853, 0.3970,  
0.4860

240.2239, 0.3537,  
0.3963

 10.8677, 0.4053,  
0.5104

289.6621, 0.3514,  
0.3921

 5.9779, 0.4158,  
0.5455


345.4565, 0.3493,

 2.8317, 0.4165,


0.3885


0.5835

407.9915, 0.3474,  
0.3852

 1.0445, 0.3821,  
0.6179


 0.0000, 0.0000,  
0.0000


 74.9226, 0.3710,  
0.4284

 74.9226, 0.3710,  
0.4284


 74.2481, 0.3839,  
0.4508


 75.7452, 0.3568,  
0.4041


 73.7026, 0.3951,  
0.4703


 76.7138, 0.3421,  
0.3789

 73.2793, 0.4040,  
0.4861


 77.8395, 0.3272,  
0.3536

 72.9669, 0.4103,  
0.4976


 79.1293, 0.3127,  
0.3290


 72.7517, 0.4140,  
0.5048


 80.5898, 0.2989,  
0.3056

 72.6103, 0.4155,  
0.5083

 80.8005, 0.2980,  
0.3036

 80.8829, 0.2983,  
0.3036

 80.9655, 0.2986,  
0.3037

 81.0483, 0.2989,  
0.3037

# Harmonies

## Analogous

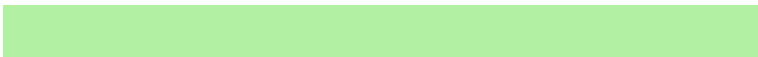
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9226, 0.4107, 0.4041



74.9226, 0.3710, 0.4284



74.9226, 0.3177, 0.4230

# Triad

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



74.9226, 0.3710, 0.4284



74.9226, 0.2129, 0.2782



74.9226, 0.3566, 0.2817

# Complementary

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



74.9226, 0.3710, 0.4284



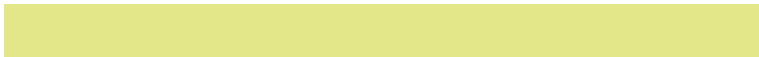
29.4609, 0.2400, 0.2069

# 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.



74.9226, 0.2997, 0.2535



74.9226, 0.3710, 0.4284



74.9226, 0.2210, 0.2490

# Square

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



74.9226, 0.3710, 0.4284



74.9226, 0.2283, 0.3273



74.9226, 0.2511, 0.2414



74.9226, 0.4038, 0.3209



# Rectangle

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



74.9226, 0.3710, 0.4284



74.9226, 0.2819, 0.3998



74.9226, 0.2511, 0.2414



74.9226, 0.3377, 0.2708

# Sweetspot

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



74.9260, 0.3710, 0.4284



98.0590, 0.3303, 0.3588



37.2758, 0.4133, 0.3311



20.9474, 0.3322, 0.3621



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.



74.9260, 0.3710, 0.4284



93.9669, 0.3818, 0.4471



68.4299, 0.3369, 0.4409



16.8006, 0.3264, 0.3522



41.1153, 0.4156, 0.5082



3.0433, 0.4162, 0.5077



# Inverse Universe

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



29.4609, 0.2400, 0.2069



29.0558, 0.2223, 0.1774



34.2684, 0.2772, 0.2183



13.9019, 0.2983, 0.3047



3.2592, 0.1507, 0.0604

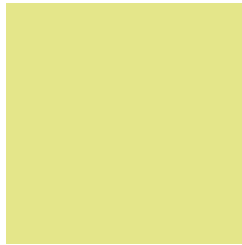


0.2461, 0.1526, 0.0615



# Previews

## White Background



This preview shows how the Yxy color 74.9226, 0.3710, 0.4284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

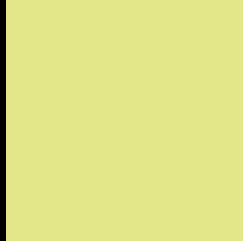
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9226, 0.3710, 0.4284 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 74.9226, 0.3710, 0.4284**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9226, 0.3710, 0.4284.



This preview shows how white text looks on a background with the Yxy color 74.9226, 0.3710, 0.4284.

# 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

74.9226, 0.3710, 0.4284

### Protanopia

74.5014, 0.3878, 0.4202

### Deuteranopia

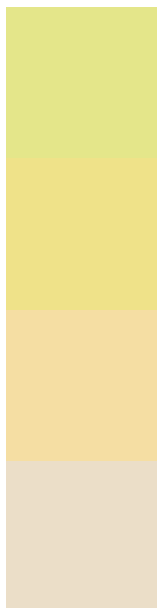
74.5771, 0.3696, 0.3712



## Tritanopia

74.5497, 0.3157, 0.3105

# Trichromacy



## Original Color

74.9226, 0.3710, 0.4284

## Protanomaly

74.5496, 0.3816, 0.4227

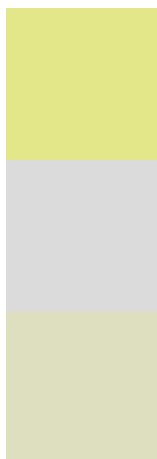
## Deuteranomaly

74.2994, 0.3705, 0.3911

## Tritanomaly

74.0749, 0.3370, 0.3526

# Monochromacy



## Original Color

74.9226, 0.3710, 0.4284

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.0227, 0.3341, 0.3656

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9226, 0.3710, 0.4284 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(228, 230, 138)` looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 138)  
}
```

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(228, 230, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9226, 0.3710, 0.4284 is called "border". The border property can be set on classes, ids or directly on the HTML element.

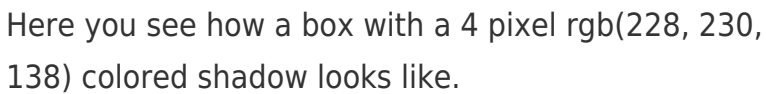
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 230, 138) }
```

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

```
.border{ border-color:rgb(228, 230, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 230, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 230, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 230, 138); box-shadow:4px 4px 4px 4px rgb(228, 230, 138) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9226, 0.3710, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 230, 138) }
```

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

```
.background{ background-color: rgb(228,  
230, 138) }
```

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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