

# Converting Colors

$Y_{xy}(74.2773, 0.4164, 0.4506)$

Have a look what the booklet for  
Yxy(74.2773, 0.4164, 0.4506)  
contains.

<b>Yxy(74.3339, 0.4162, 0.4503)</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(74.3339, 0.4162, 0.4503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCDF61
RGB	252, 223, 97
RGB Percent	99%, 87%, 38%
CMY	0.0116, 0.1255, 0.6196
CMYK	0.00, 0.12, 0.62, 0.01
HSL	49°, 96%, 68%
HSV	49°, 62%, 99%
XYZ	68.7048, 74.3339, 22.0377
YIQ	217.3070, 57.7300, -33.0380

# Conversions

## Conversions Part 2

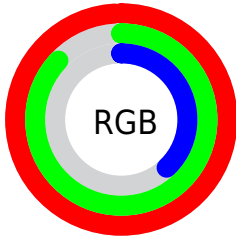
Format	Color
<a href="#">RYB</a>	<a href="#">133, 252, 97</a>
Decimal	<a href="#">16572257</a>
CIELab	<a href="#">89.08, -4.20, 63.75</a>
CIELCh	<a href="#">89, 63.884, 93.770</a>
Yxy	<a href="#">74.3339, 0.4162, 0.4503</a>
Android (android.graphics.Color)	<a href="#">4294762337 (0xFFFCDF61)</a>
YUV	<a href="#">217.3070, -59.3114, 30.4258</a>
Hunter-Lab	<a href="#">86.2171, -8.6366, 45.1970</a>

# Details

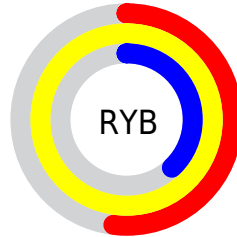
The Yxy color **74.3339, 0.4162, 0.4503** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **24.5145, 0.2002, 0.1637**, and the grayscale version is **70.0013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **39.3718, 0.4338, 0.4726** is the 20% darker color. If you saturate the color by 10%, you get **71.4499, 0.4308, 0.4631**, and if you desaturate by 10%, it is **77.4448, 0.3998, 0.4339**.

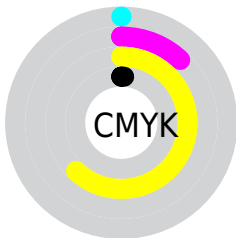
# Distribution



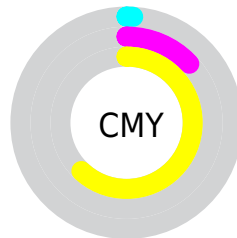
- Red (99%)
- Green (87%)
- Blue (38%)



- Red (52%)
- Yellow (99%)
- Blue (38%)



- Cyan (0%)
- Magenta (12%)
- Yellow (62%)
- Black (1%)




- Cyan (1%)
- Magenta (13%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3339, 0.4162, 0.4503 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 74.3339, 0.4162, 0.4503 by changing the saturation by 10% instead.




 74.3339, 0.4162,  
0.4503


 74.3339, 0.4162,  
0.4503


475.6250, 0.3721,  
0.3975

 55.0674, 0.4247,  
0.4608


 125.3690, 0.4021,  
0.4331


 39.4557, 0.4341,  
0.4728


 157.9064, 0.3962,  
0.4260

 27.1144, 0.4445,  
0.4863


 195.6362, 0.3910,  
0.4198

 17.6591, 0.4551,  
0.5010

 238.9428, 0.3864,  
0.4143

 10.7056, 0.4681,  
0.5196

288.2105, 0.3823,  
0.4094

 5.8692, 0.4709,  
0.5291


343.8239, 0.3785,

 2.7657, 0.4662,


0.4050


0.5338


406.1672, 0.3752,  
0.4010


 1.0107, 0.4577,  
0.5423

 0.0000, 0.0000,  
0.0000


 74.3339, 0.4162,  
0.4503


 74.3339, 0.4162,  
0.4503


 71.4499, 0.4308,  
0.4631


 77.4448, 0.3998,  
0.4339


 68.7668, 0.4428,  
0.4714


 80.7852, 0.3824,  
0.4150

 66.2700, 0.4519,  
0.4750


 84.3708, 0.3647,  
0.3945

 64.2732, 0.4576,  
0.4748

 88.2124, 0.3473,  
0.3733

 92.3202, 0.3306,  
0.3523

 96.7035, 0.3150,  
0.3320

 99.4453, 0.3109,  
0.3290

# Harmonies

## Analogous

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



74.3339, 0.4581, 0.4020



74.3339, 0.4162, 0.4503



74.3339, 0.3495, 0.4698

# Triad

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



74.3339, 0.4162, 0.4503



74.3339, 0.1859, 0.2844



74.3339, 0.3363, 0.2475

# Complementary

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



74.3339, 0.4162, 0.4503



24.5145, 0.2002, 0.1637

# 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.



74.3339, 0.2622, 0.2200



74.3339, 0.4162, 0.4503



74.3339, 0.1836, 0.2344

# Square

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



74.3339, 0.4162, 0.4503



74.3339, 0.2177, 0.3611



74.3339, 0.2094, 0.2143



74.3339, 0.4119, 0.2919



# Rectangle

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



74.3339, 0.4162, 0.4503



74.3339, 0.3005, 0.4542



74.3339, 0.2094, 0.2143



74.3339, 0.3101, 0.2362

# Sweetspot

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



74.3374, 0.4162, 0.4503



92.0208, 0.3413, 0.3659



30.8156, 0.4694, 0.2992



19.4385, 0.3463, 0.3721



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.



74.3374, 0.4162, 0.4503



72.6470, 0.4341, 0.4656



83.5732, 0.3664, 0.4915



19.6050, 0.3274, 0.3481



33.6697, 0.4569, 0.4754



3.2564, 0.4516, 0.4796



# Inverse Universe

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



24.5145, 0.2002, 0.1637



17.8275, 0.1794, 0.1277



21.4694, 0.2229, 0.1438



17.1694, 0.2979, 0.3091



4.8853, 0.1549, 0.0775



0.5894, 0.1603, 0.0971



# Previews

## White Background



This preview shows how the Yxy color 74.3339, 0.4162, 0.4503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

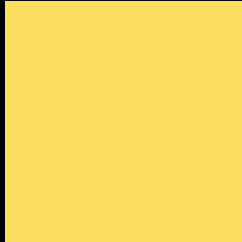
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.3339, 0.4162, 0.4503 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 74.3339, 0.4162, 0.4503**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3339, 0.4162, 0.4503.

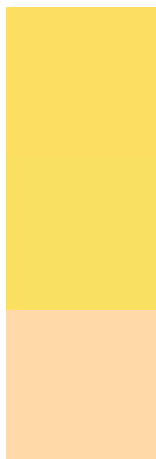


This preview shows how white text looks on a background with the Yxy color 74.3339, 0.4162, 0.4503.

# 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

74.3339, 0.4162, 0.4503

### Protanopia

74.3141, 0.4132, 0.4524

### Deuteranopia

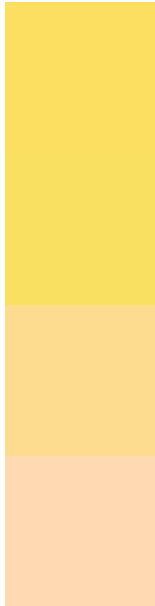
74.2674, 0.3754, 0.3794



## Tritanopia

74.2847, 0.3355, 0.3170

# Trichromacy



## Original Color

74.3339, 0.4162, 0.4503

## Protanomaly

74.4984, 0.4140, 0.4520

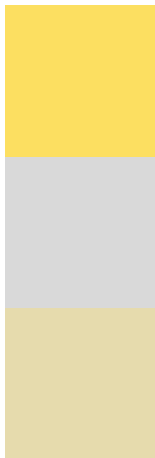
## Deuteranomaly

74.2404, 0.3920, 0.4074

## Tritanomaly

73.9109, 0.3684, 0.3693

# Monochromacy



## Original Color

74.3339, 0.4162, 0.4503

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.5032, 0.3528, 0.3797

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3339, 0.4162, 0.4503 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(252, 223, 97)` looks like.

```
.text, #text, p{  
    color:rgb(252, 223, 97)  
}
```

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(252, 223, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 223, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3339, 0.4162, 0.4503 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(252, 223, 97) }
```

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

```
.border{ border-color:rgb(252, 223, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 223, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 223, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 223, 97);  
box-shadow:4px 4px 4px 4px rgb(252, 223,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3339, 0.4162, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 223, 97) }
```

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

```
.background{ background-color: rgb(252,  
223, 97) }
```

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