

# Converting Colors

$Yxy(76.5882, 0.4095, 0.4538)$

Have a look what the booklet for  
Yxy(76.5882, 0.4095, 0.4538)  
contains.

<b>Yxy(76.5466, 0.4093, 0.4534)</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(76.5466, 0.4093, 0.4534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E464
RGB	249, 228, 100
RGB Percent	98%, 89%, 39%
CMY	0.0236, 0.1058, 0.6080
CMYK	0.00, 0.08, 0.60, 0.02
HSL	52°, 93%, 68%
HSV	52°, 60%, 98%
XYZ	69.1013, 76.5466, 23.1801
YIQ	219.6870, 53.6040, -35.3560

# Conversions

## Conversions Part 2

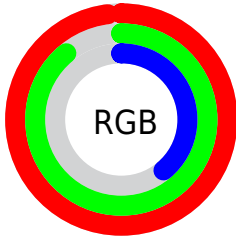
Format	Color
<a href="#">RYB</a>	<a href="#">124, 249, 100</a>
Decimal	<a href="#">16376932</a>
<a href="#">CIELab</a>	<a href="#">90.11, -7.79, 63.53</a>
<a href="#">CIELCh</a>	<a href="#">90, 64.007, 96.990</a>
<a href="#">Yxy</a>	<a href="#">76.5466, 0.4093, 0.4534</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294567012 (0xFFFF9E464)</a>
<a href="#">YUV</a>	<a href="#">219.6870, -59.0057, 25.7075</a>
<a href="#">Hunter-Lab</a>	<a href="#">87.4909, -12.1278, 45.5352</a>

# Details

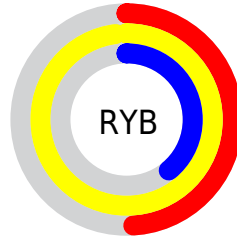
The Yxy color **76.5466, 0.4093, 0.4534** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.2001, 0.2013, 0.1601**, and the grayscale version is **71.7293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1466, 0.3717, 0.4265**, and **41.0161, 0.4259, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **74.2327, 0.4226, 0.4674**, and if you desaturate by 10%, it is **79.0540, 0.3941, 0.4359**.

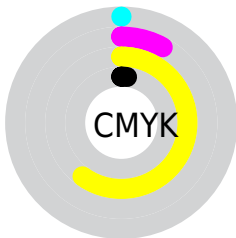
# Distribution



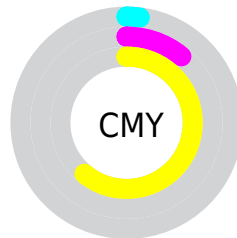
- Red (98%)
- Green (89%)
- Blue (39%)



- Red (49%)
- Yellow (98%)
- Blue (39%)



- Cyan (0%)
- Magenta (8%)
- Yellow (60%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5466, 0.4093, 0.4534 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 76.5466, 0.4093, 0.4534 by changing the saturation by 10% instead.




 76.5466, 0.4093,  
0.4534

 76.5466, 0.4093,  
0.4534


483.2168, 0.3687,  
0.3988

 56.8808, 0.4170,  
0.4644


 128.4993, 0.3964,  
0.4355

 40.9096, 0.4256,  
0.4772


 161.5549, 0.3910,  
0.4282

 28.2484, 0.4348,  
0.4917

 199.8427, 0.3862,  
0.4218

 18.5130, 0.4442,  
0.5079

 243.7470, 0.3819,  
0.4161

 11.3189, 0.4543,  
0.5273

293.6521, 0.3781,  
0.4110

 6.2818, 0.4574,  
0.5426

349.9425, 0.3746,

 3.0172, 0.4490,

0.4065

0.5510

413.0026, 0.3715,  
0.4025

■ 1.1407, 0.4339,  
0.5661

■ 0.0125, 0.0000,  
1.0000

■ 76.5466, 0.4093,  
0.4534

■ 76.5466, 0.4093,  
0.4534

■ 74.2327, 0.4226,  
0.4674

■ 79.0540, 0.3941,  
0.4359

■ 72.0873, 0.4335,  
0.4771


■ 81.7563, 0.3776,  
0.4158


■ 70.0972, 0.4415,  
0.4822

■ 84.6684, 0.3607,  
0.3942

■ 68.2353, 0.4469,  
0.4833

■ 87.8005, 0.3440,  
0.3720

 68.2075, 0.4470,  
0.4833

 91.1618, 0.3278,  
0.3500

 94.7612, 0.3125,  
0.3287

 97.3046, 0.3091,  
0.3266

 98.8742, 0.3090,  
0.3290

# Harmonies

## Analogous

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



76.5466, 0.4543, 0.4074



76.5466, 0.4093, 0.4534



76.5466, 0.3416, 0.4679

# Triad

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



76.5466, 0.4093, 0.4534



76.5466, 0.1851, 0.2780



76.5466, 0.3447, 0.2521

# Complementary

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



76.5466, 0.4093, 0.4534



23.2001, 0.2013, 0.1601

# 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.



76.5466, 0.2697, 0.2226



76.5466, 0.4093, 0.4534



76.5466, 0.1859, 0.2316

# Square

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



76.5466, 0.4093, 0.4534



76.5466, 0.2136, 0.3520



76.5466, 0.2144, 0.2145



76.5466, 0.4179, 0.2976



# Rectangle

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



76.5466, 0.4093, 0.4534



76.5466, 0.2930, 0.4482



76.5466, 0.2144, 0.2145



76.5466, 0.3185, 0.2402

# Sweetspot

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



76.5502, 0.4093, 0.4534



93.3393, 0.3410, 0.3679



30.6551, 0.4726, 0.3073



19.7642, 0.3458, 0.3744



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.



76.5502, 0.4093, 0.4534



77.8601, 0.4253, 0.4700



80.4980, 0.3604, 0.4905



19.7501, 0.3272, 0.3492



36.6796, 0.4465, 0.4837



3.5078, 0.4428, 0.4866



# Inverse Universe

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



23.2001, 0.2013, 0.1601



17.1643, 0.1800, 0.1237



22.6323, 0.2317, 0.1515



17.0366, 0.2979, 0.3080



4.4238, 0.1531, 0.0710



0.5259, 0.1578, 0.0882



# Previews

## White Background



This preview shows how the Yxy color 76.5466, 0.4093, 0.4534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

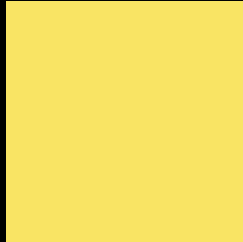
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5466, 0.4093, 0.4534 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 76.5466, 0.4093, 0.4534**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5466, 0.4093, 0.4534.

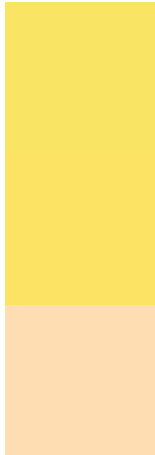


This preview shows how white text looks on a background with the Yxy color 76.5466, 0.4093, 0.4534.

# 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

76.5466, 0.4093, 0.4534

### Protanopia

76.5537, 0.4122, 0.4513

### Deuteranopia

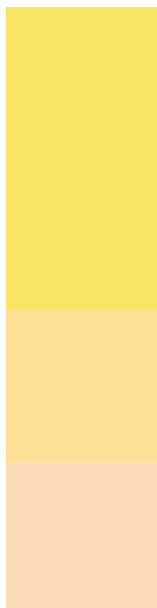
76.2276, 0.3672, 0.3721



## Tritanopia

76.5989, 0.3315, 0.3161

# Trichromacy



## Original Color

76.5466, 0.4093, 0.4534

## Protanomaly

76.3675, 0.4114, 0.4517

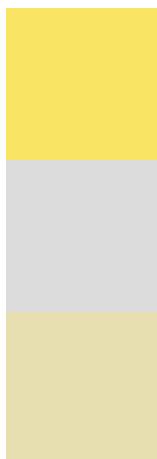
## Deuteranomaly

76.3960, 0.3848, 0.4046

## Tritanomaly

76.0144, 0.3629, 0.3682

# Monochromacy



## Original Color

76.5466, 0.4093, 0.4534

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.8989, 0.3505, 0.3803

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5466, 0.4093, 0.4534 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(249, 228, 100)` looks like.

```
.text, #text, p{  
    color:rgb(249, 228, 100)  
}
```

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(249, 228, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 228, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5466, 0.4093, 0.4534 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(249, 228, 100) }
```

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

```
.border{ border-color:rgb(249, 228, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 228, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 228, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 228, 100);  
box-shadow:4px 4px 4px 4px rgb(249, 228,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5466, 0.4093, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 228, 100) }
```

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

```
.background{ background-color: rgb(249,  
228, 100) }
```

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