

# Converting Colors

XYZ(70.3967, 74.6888, 45.8280)

Have a look what the booklet for  
XYZ(70.3967, 74.6888, 45.8280)  
contains.

<b>XYZ(70.3967, 74.6888, 45.8280)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(70.3967, 74.6888,  
45.8280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4DFA4
RGB	244, 223, 164
RGB Percent	96%, 87%, 64%
CMY	0.0431, 0.1255, 0.3569
CMYK	0.00, 0.09, 0.33, 0.04
HSL	44°, 78%, 80%
HSV	44°, 33%, 96%
XYZ	70.3967, 74.6888, 45.8280
YIQ	222.5530, 31.4550, -13.8970

# Conversions

## Conversions Part 2

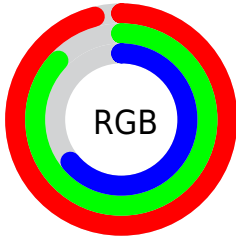
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 244, 164</a>
Decimal	<a href="#">16048036</a>
CIELab	<a href="#">89.25, -1.27, 31.58</a>
CIElCh	<a href="#">89, 31.602, 92.296</a>
Yxy	<a href="#">74.6888, 0.3687, 0.3912</a>
Android (android.graphics.Color)	<a href="#">4294238116</a> ( <a href="#">0xFFFF4DFA4</a> )
YUV	<a href="#">222.5530, -28.8666, 18.8090</a>
Hunter-Lab	<a href="#">86.4227, -5.8402, 29.0557</a>

# Details

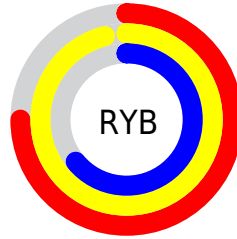
The XYZ color **70.3967, 74.6888, 45.8280** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.9874, 49.1205, 92.4872**, and the grayscale version is **70.0063, 73.6521, 80.2071**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **37.4208, 39.7399, 21.0275** is the 20% darker color. If you saturate the color by 10%, you get **66.7232, 70.5361, 34.7555**, and if you desaturate by 10%, it is **74.5615, 79.1468, 59.1515**.

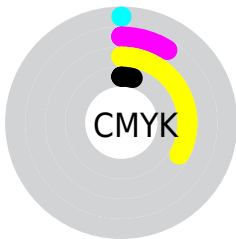
# Distribution



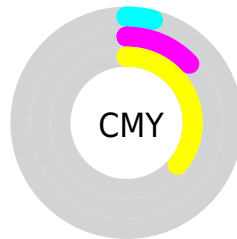
- Red (96%)
- Green (87%)
- Blue (64%)



- Red (75%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (9%)
- Yellow (33%)
- Black (4%)




- Cyan (4%)
- Magenta (13%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3967, 74.6888, 45.8280 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 XYZ color 70.3967, 74.6888, 45.8280 by changing the saturation by 10% instead.





 70.3967, 74.6888,  
45.8280


 70.3967, 74.6888,  
45.8280


451.1864,  
476.8473, 386.3742

 52.1308, 55.3580,  
31.7624


 118.7975,  
125.8717, 85.2931

 37.3340, 39.6884,  
20.9168


 149.6631,  
158.4927, 111.5297

 25.6411, 27.2957,  
12.8725


185.4592,  
196.3124, 142.6604

 16.6866, 17.7954,  
7.2111

226.5513,  
239.7154, 179.1037

 10.1052, 10.8032,  
3.5141

273.3048,  
289.0859, 221.2782

 5.5316, 5.9347,  
1.3627

326.0848,

 2.6003, 2.8054,

344.8085, 269.6025

0.1124

385.2569,  
407.2675, 324.4949

■ 0.9461, 1.0310,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.3967, 74.6888,  
45.8280

■ 70.3967, 74.6888,  
45.8280

■ 66.7232, 70.5361,  
34.7555

■ 74.5615, 79.1468,  
59.1515

■ 63.5103, 66.6675,  
25.8014

■ 79.2349, 83.9103,  
74.8393

■ 60.7326, 63.0741,  
18.8264

■ 84.4403, 88.9922,  
93.0023

■ 58.3592, 59.7426,  
13.6722

■ 89.1163, 93.9693,  
108.0487

■ 56.3548, 56.6576,  
10.1565

■ 91.1182, 97.9731,  
108.7160

■ 54.6768, 53.8008,  
8.0582

■ 53.6229, 51.8626,  
7.1842

# Harmonies

## Analogous

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



78.1124, 74.6888, 49.2076



70.3967, 74.6888, 45.8280



63.3541, 74.6888, 50.4356

# Triad

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



70.3967, 74.6888, 45.8280



59.1727, 74.6888, 106.2030



84.9514, 74.6888, 102.7189

# Complementary

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



70.3967, 74.6888, 45.8280



48.9874, 49.1205, 92.4872

# 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.



79.2149, 74.6888, 122.7857



70.3967, 74.6888, 45.8280



64.3132, 74.6888, 125.0399

# Square

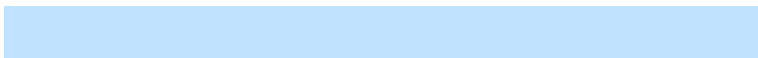
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3967, 74.6888, 45.8280



57.1734, 74.6888, 83.0377



71.5855, 74.6888, 131.5944



86.8692, 74.6888, 79.6329

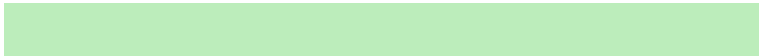


# Rectangle

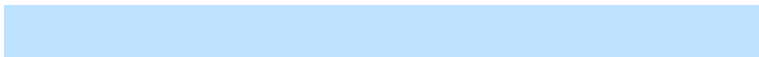
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3967, 74.6888, 45.8280



59.8866, 74.6888, 58.0076



71.5855, 74.6888, 131.5944



83.3862, 74.6888, 110.1746

# Sweetspot

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



70.3986, 74.6922, 45.8295



89.1150, 94.2695, 87.9943



59.3764, 49.3017, 52.4712



18.9061, 20.0113, 18.2538



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

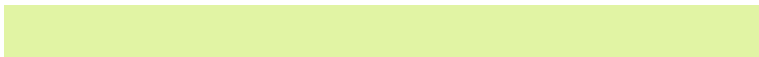
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3986, 74.6922, 45.8295



75.1948, 79.6293, 42.6599



70.2072, 83.4430, 47.5287



17.5252, 18.5345, 17.4514



29.2744, 28.4344, 3.9455



2.6563, 2.6658, 0.3745



# Inverse Universe

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



48.9874, 49.1205, 92.4872



48.3294, 47.5552, 101.2396



49.0546, 43.1099, 91.3235



15.9348, 16.6338, 20.9134



9.9710, 5.7357, 47.1196

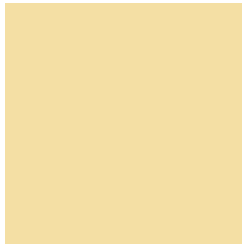


0.9568, 0.6650, 4.1682



# Previews

## White Background



This preview shows how the XYZ color 70.3967, 74.6888, 45.8280 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 XYZ color 70.3967, 74.6888, 45.8280 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](#).

**XYZ 70.3967, 74.6888, 45.8280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3967, 74.6888, 45.8280.



This preview shows how white text looks on a background with the XYZ color 70.3967, 74.6888,

45.8280.

# 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

70.3967, 74.6888, 45.8280

### Protanopia

69.6321, 74.6924, 45.8690

### Deuteranopia

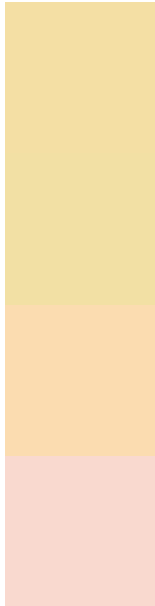
74.8586, 74.8217, 55.2963



## Tritanopia

78.6153, 74.5581, 85.8490

# Trichromacy



## Original Color

70.3967, 74.6888, 45.8280

## Protanomaly

69.9744, 74.8689, 45.8851

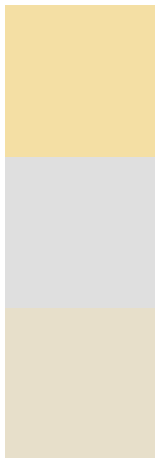
## Deuteranomaly

73.2133, 74.8302, 51.6592

## Tritanomaly

75.1423, 74.2704, 69.4067

# Monochromacy



## Original Color

70.3967, 74.6888, 45.8280

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.0033, 74.0285, 66.4765

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3967, 74.6888, 45.8280 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(244, 223, 164)` looks like.

```
.text, #text, p{  
    color:rgb(244, 223, 164)  
}
```

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(244, 223, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 223, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3967, 74.6888, 45.8280 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(244, 223, 164) }
```



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

```
.border{ border-color:rgb(244, 223, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 223, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 223, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 223, 164);  
box-shadow:4px 4px 4px 4px rgb(244, 223,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3967, 74.6888, 45.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 223, 164) }
```

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

```
.background{ background-color: rgb(244,  
223, 164) }
```

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