

# Converting Colors

XYZ(69.9701, 72.9481, 38.6056)

Have a look what the booklet for  
XYZ(69.9701, 72.9481, 38.6056)  
contains.

<b>XYZ(70.1012, 73.1251, 38.4368)</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(70.1012, 73.1251,  
38.4368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FADB94
RGB	250, 219, 148
RGB Percent	98%, 86%, 58%
CMY	0.0196, 0.1412, 0.4196
CMYK	0.00, 0.12, 0.41, 0.02
HSL	42°, 91%, 78%
HSV	42°, 41%, 98%
XYZ	70.1012, 73.1251, 38.4368
YIQ	220.1750, 41.2670, -15.5090

# Conversions

## Conversions Part 2

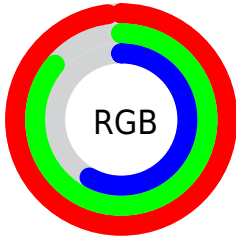
Format	Color
<b>R<sub>YB</sub></b>	193, 250, 148
Decimal	16440212
CIE <sub>Lab</sub>	88.51, 1.29, 38.84
CIE <sub>LCh</sub>	89, 38.858, 88.100
Yxy	73.1251, 0.3859, 0.4025
Android (android.graphics.Color)	4294630292 (0xFFFA <sub>DB</sub> 94)
YUV	220.1750, -35.5823, 26.1565
Hunter-Lab	85.5132, -3.3191, 33.2094

# Details

The XYZ color **70.1012, 73.1251, 38.4368** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.5878, 45.4369, 96.8101**, and the grayscale version is **68.3718, 71.9324, 78.3344**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **37.1250, 38.6019, 16.5605** is the 20% darker color. If you saturate the color by 10%, you get **66.3958, 68.5464, 28.4710**, and if you desaturate by 10%, it is **74.3280, 78.0625, 50.6864**.

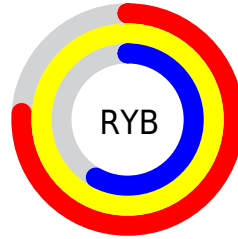
# Distribution



Red (98%)

Green (86%)

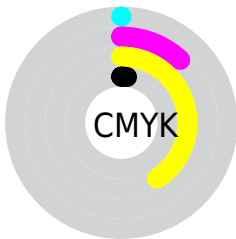
Blue (58%)



Red (76%)

Yellow (98%)

Blue (58%)

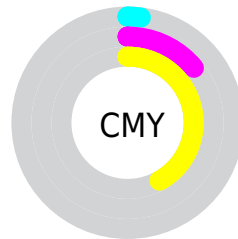


Cyan (0%)

Magenta (12%)

Yellow (41%)

Black (2%)



Cyan (2%)

Magenta (14%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1012, 73.1251, 38.4368 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 70.1012, 73.1251, 38.4368 by changing the saturation by 10% instead.




 70.1012, 73.1251,  
38.4368

 70.1012, 73.1251,  
38.4368


450.1661,  
471.4483, 354.8442

 51.8889, 54.0783,  
26.0174


 118.3785,  
123.6548, 73.9880

 37.1405, 38.6642,  
16.6108


 149.1743,  
155.9064, 97.9569

 25.4904, 26.4986,  
9.7984


184.8953,  
193.3285, 126.6127

 16.5735, 17.1970,  
5.1616

225.9069,  
236.3053, 160.3739

 10.0243, 10.3751,  
2.2820

272.5744,  
285.2213, 199.6591

 5.4775, 5.6483,  
0.7211

325.2632,

 2.5676, 2.6325,

340.4608, 244.8869

0.0000

384.3387,  
402.4084, 296.4758

■ 0.9295, 0.9430,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.1012, 73.1251,  
38.4368

■ 70.1012, 73.1251,  
38.4368

■ 66.3958, 68.5464,  
28.4710

■ 74.3280, 78.0625,  
50.6864

■ 63.1775, 64.3027,  
20.6377

■ 79.0974, 83.3607,  
65.3488

■ 60.4158, 60.3825,  
14.7745

■ 84.4355, 89.0350,  
82.5489

■ 58.0738, 56.7691,  
10.6933

■ 90.3653, 95.0961,  
102.4014

■ 56.1076, 53.4429,  
8.1690

■ 93.2344, 99.0640,  
108.8150

■ 54.5668, 50.6089,  
6.8925

# Harmonies

## Analogous

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



79.4477, 73.1251, 43.4069



70.1012, 73.1251, 38.4368



61.3709, 73.1251, 42.2772

# Triad

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



70.1012, 73.1251, 38.4368



54.8137, 73.1251, 106.4315



85.9187, 73.1251, 110.0612

# Complementary

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



70.1012, 73.1251, 38.4368



45.5878, 45.4369, 96.8101

# 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.



78.3239, 73.1251, 134.2527



70.1012, 73.1251, 38.4368



60.4253, 73.1251, 131.8480

# Square

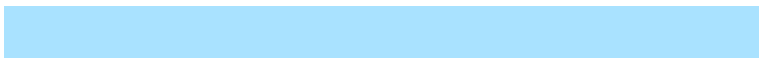
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1012, 73.1251, 38.4368



53.0320, 73.1251, 77.9253



68.9086, 73.1251, 142.9977



89.0740, 73.1251, 81.3407

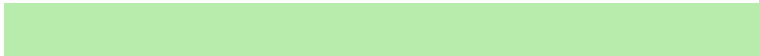


# Rectangle

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



70.1012, 73.1251, 38.4368



56.9569, 73.1251, 49.9364



68.9086, 73.1251, 142.9977



83.7686, 73.1251, 119.2140

# Sweetspot

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



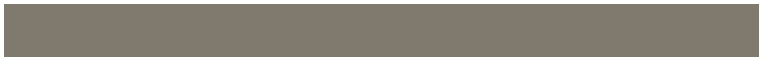
70.1030, 73.1285, 38.4383



87.6140, 92.3937, 84.0218



58.2836, 44.8121, 48.9190



18.5914, 19.6064, 17.4567



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.



70.1030, 73.1285, 38.4383



70.0936, 72.5151, 31.4392



72.5832, 87.5485, 41.0909



18.2562, 19.2482, 18.2155



29.0767, 27.1100, 3.7002



2.7863, 2.6975, 0.3738



# Inverse Universe

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



45.5878, 45.4369, 96.8101



41.2696, 39.9818, 100.1499



43.7190, 36.2657, 95.1383



16.7131, 17.5030, 21.8828



10.6328, 6.6211, 48.6911



1.0738, 0.7913, 4.5393



# Previews

## White Background



This preview shows how the XYZ color 70.1012, 73.1251, 38.4368 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 70.1012, 73.1251, 38.4368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

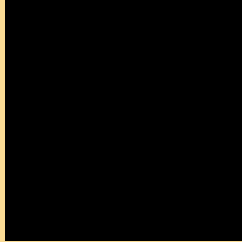
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.1012, 73.1251, 38.4368

## Background



This preview shows how black text looks on a background with the XYZ color 70.1012, 73.1251, 38.4368.



This preview shows how white text looks on a background with the XYZ color 70.1012, 73.1251,



# 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

70.1012, 73.1251, 38.4368

### Protanopia

67.8217, 73.1133, 38.9715

### Deuteranopia

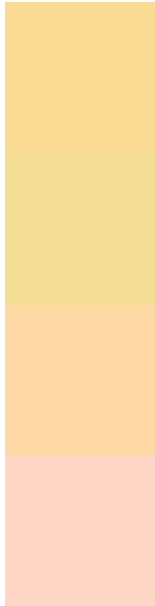
73.0833, 72.8780, 49.7501



## Tritanopia

78.1249, 73.2848, 81.2619

# Trichromacy



## Original Color

70.1012, 73.1251, 38.4368

## Protanomaly

68.5895, 73.1159, 38.9315

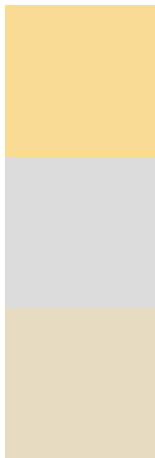
## Deuteranomaly

71.7647, 72.6747, 45.3672

## Tritanomaly

74.6326, 73.0070, 62.9815

# Monochromacy



## Original Color

70.1012, 73.1251, 38.4368

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.2858, 72.0704, 61.3509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1012, 73.1251, 38.4368 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(250, 219, 148)` looks like.

```
.text, #text, p{  
    color:rgb(250, 219, 148)  
}
```

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(250, 219, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 219, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1012, 73.1251, 38.4368 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(250, 219, 148) }
```



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

```
.border{ border-color:rgb(250, 219, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 219, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 219, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 219, 148);  
box-shadow:4px 4px 4px 4px rgb(250, 219,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1012, 73.1251, 38.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 219, 148) }
```

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

```
.background{ background-color: rgb(250,  
219, 148) }
```

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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