

# Converting Colors

XYZ(70.0034, 73.8179, 40.1439)

Have a look what the booklet for  
XYZ(70.0034, 73.8179, 40.1439)  
contains.

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# Color

**XYZ(69.8817, 73.7541,  
40.2586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7DD98
RGB	247, 221, 152
RGB Percent	97%, 87%, 60%
CMY	0.0314, 0.1333, 0.4039
CMYK	0.00, 0.11, 0.38, 0.03
HSL	44°, 86%, 78%
HSV	44°, 38%, 97%
XYZ	69.8817, 73.7541, 40.2586
YIQ	220.9080, 37.6450, -15.9470

# Conversions

## Conversions Part 2

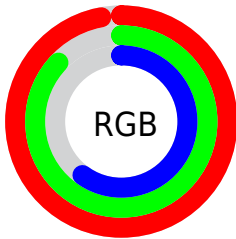
Format	Color
R <sub>Y</sub> B	188, 247, 152
Decimal	16244120
CIE Lab	88.81, -0.47, 37.15
CIE LCh	89, 37.156, 90.727
Yxy	73.7541, 0.3800, 0.4011
Android (android.graphics.Color)	4294434200 (0xFF7DD98)
YUV	220.9080, -33.9716, 22.8827
Hunter-Lab	85.8802, -5.0429, 32.3224

# Details

The XYZ color **69.8817, 73.7541, 40.2586** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.6573, 45.2300, 94.3194**, and the grayscale version is **68.8767, 72.4636, 78.9129**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **36.9227, 39.0114, 17.6405** is the 20% darker color. If you saturate the color by 10%, you get **66.3176, 69.5331, 30.1081**, and if you desaturate by 10%, it is **73.9426, 78.2941, 52.6546**.

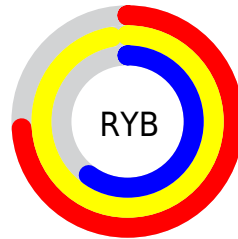
# Distribution



Red (97%)

Green (87%)

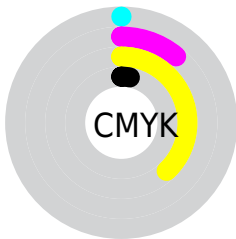
Blue (60%)



Red (74%)

Yellow (97%)

Blue (60%)

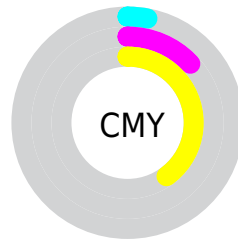


Cyan (0%)

Magenta (11%)

Yellow (38%)

Black (3%)



Cyan (3%)

Magenta (13%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8817, 73.7541, 40.2586 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 69.8817, 73.7541, 40.2586 by changing the saturation by 10% instead.



 69.8817, 73.7541,  
40.2586


 69.8817, 73.7541,  
40.2586

449.4074,  
473.6243, 362.7968

 51.7093, 54.5928,  
27.4249


 118.0672,  
124.5472, 76.7985

 36.9968, 39.0758,  
17.6573


 148.8111,  
156.9477, 101.3419

 25.3787, 26.8187,  
10.5374


184.4762,  
194.5302, 130.6255

 16.4896, 17.4371,  
5.6464

225.4279,  
237.6789, 165.0679

 9.9643, 10.5466,  
2.5660

272.0315,  
286.7782, 205.0877

 5.4374, 5.7629,  
0.8748

324.6524,

 2.5435, 2.7014,

342.2126, 251.1034

0.0000

383.6559,  
404.3665, 303.5336

■ 0.9172, 0.9779,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.8817, 73.7541,  
40.2586

■ 69.8817, 73.7541,  
40.2586

■ 66.3176, 69.5331,  
30.1081

■ 73.9426, 78.2941,  
52.6546

■ 63.2176, 65.6087,  
22.0594

■ 78.5197, 83.1542,  
67.4187

■ 60.5534, 61.9708,  
15.9594

■ 83.6380, 88.3483,  
84.6698

■ 58.2907, 58.6045,  
11.6322

■ 89.3189, 93.8862,  
104.5176

■ 56.3892, 55.4920,  
8.8694

■ 92.1035, 98.3857,  
108.7437

■ 54.7920, 52.6093,  
7.3760

■ 92.1677, 98.5141,  
108.7651

■ 54.5612, 52.1811,  
7.1963

# Harmonies

## Analogous

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



78.9034, 73.7541, 44.3813



69.8817, 73.7541, 40.2586



61.6293, 73.7541, 44.8062

# Triad

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



69.8817, 73.7541, 40.2586



56.2589, 73.7541, 108.3694



86.2977, 73.7541, 107.0446

# Complementary

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



69.8817, 73.7541, 40.2586



45.6573, 45.2300, 94.3194

# 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.



79.3156, 73.7541, 130.8584



69.8817, 73.7541, 40.2586



61.9790, 73.7541, 131.7312

# Square

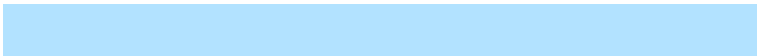
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8817, 73.7541, 40.2586



54.1889, 73.7541, 80.9362



70.3209, 73.7541, 140.7212



88.8581, 73.7541, 79.6784

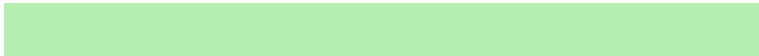


# Rectangle

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



69.8817, 73.7541, 40.2586



57.5452, 73.7541, 52.8524



70.3209, 73.7541, 140.7212



84.3621, 73.7541, 115.9219

# Sweetspot

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



69.8835, 73.7575, 40.2601



87.8957, 92.9573, 84.1157



57.7147, 45.4827, 48.3416



18.6579, 19.7395, 17.4789



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.



69.8835, 73.7575, 40.2601



72.1679, 75.8105, 34.7603



70.4233, 85.0247, 42.4065



17.5089, 18.5019, 17.4460



28.9802, 27.8460, 3.8474



2.6324, 2.6181, 0.3666



# Inverse Universe

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



45.6573, 45.2300, 94.3194



42.8181, 41.2706, 100.3170



45.1590, 38.0096, 92.9520



15.9501, 16.6645, 20.9185



10.0599, 5.9135, 47.1492



0.9664, 0.6841, 4.1714



# Previews

## White Background



This preview shows how the XYZ color 69.8817, 73.7541, 40.2586 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 69.8817, 73.7541, 40.2586 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 69.8817, 73.7541, 40.2586

## Background



This preview shows how black text looks on a background with the XYZ color 69.8817, 73.7541, 40.2586.



This preview shows how white text looks on a background with the XYZ color 69.8817, 73.7541,



# 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

69.8817, 73.7541, 40.2586

### Protanopia

68.4131, 73.7760, 40.7714

### Deuteranopia

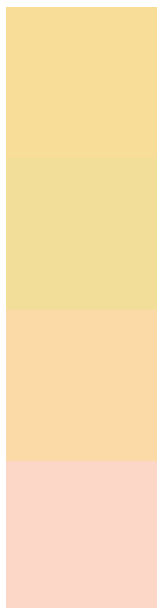
73.7317, 73.5461, 51.9047



## Tritanopia

78.5379, 73.4500, 83.4367

# Trichromacy



## Original Color

69.8817, 73.7541, 40.2586

## Protanomaly

68.8332, 73.5971, 40.7148

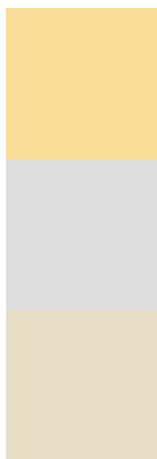
## Deuteranomaly

72.2842, 73.6654, 47.4548

## Tritanomaly

74.8706, 73.4665, 64.8779

# Monochromacy



## Original Color

69.8817, 73.7541, 40.2586

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.4534, 72.5214, 62.6147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8817, 73.7541, 40.2586 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(247, 221, 152)` looks like.

```
.text, #text, p{  
    color:rgb(247, 221, 152)  
}
```

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(247, 221, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 221, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8817, 73.7541, 40.2586 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(247, 221, 152) }
```



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

```
.border{ border-color:rgb(247, 221, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 221, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 221, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 221, 152); box-shadow:4px 4px 4px 4px rgb(247, 221, 152) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8817, 73.7541, 40.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 221, 152) }
```

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

```
.background{ background-color: rgb(247,  
221, 152) }
```

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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