

# Converting Colors

XYZ(73.9500, 71.4167, 71.1052)

Have a look what the booklet for  
XYZ(73.9500, 71.4167, 71.1052)  
contains.

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# Color

**XYZ(73.9940, 71.3814,  
70.8509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9D3D2
RGB	249, 211, 210
RGB Percent	98%, 83%, 82%
CMY	0.0235, 0.1725, 0.1765
CMYK	0.00, 0.15, 0.16, 0.02
HSL	2°, 76%, 90%
HSV	2°, 16%, 98%
XYZ	73.9940, 71.3814, 70.8509
YIQ	222.2480, 22.9690, 7.7450

# Conversions

## Conversions Part 2

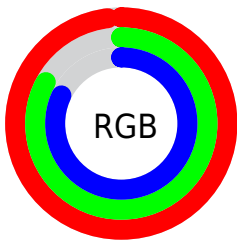
Format	Color
R <sub>Y</sub> B	249, 211, 210
Decimal	16372690
CIE Lab	87.67, 13.11, 5.43
CIE LCh	88, 14.190, 22.502
Yxy	71.3814, 0.3422, 0.3301
Android (android.graphics.Color)	4294562770 (0xFFF9D3D2)
YUV	222.2480, -6.0383, 23.4615
Hunter-Lab	84.4875, 8.4768, 9.4209

# Details

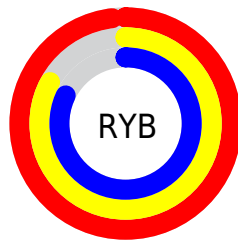
The XYZ color **73.9940, 71.3814, 70.8509** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.2440, 87.6739, 102.4746**, and the grayscale version is **69.6380, 73.2646, 79.7851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6274, 37.3837, 36.5797** is the 20% darker color. If you saturate the color by 10%, you get **65.5516, 59.0804, 53.9039**, and if you desaturate by 10%, it is **83.8325, 85.7007, 90.6462**.

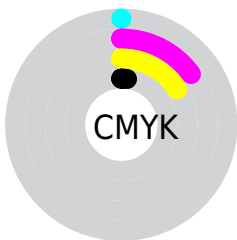
# Distribution



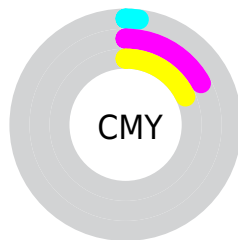
- Red (98%)
- Green (83%)
- Blue (82%)



- Red (98%)
- Yellow (83%)
- Blue (82%)



- Cyan (0%)
- Magenta (15%)
- Yellow (16%)
- Black (2%)



- Cyan (2%)
- Magenta (17%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9940, 71.3814, 70.8509 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 73.9940, 71.3814, 70.8509 by changing the saturation by 10% instead.




 73.9940, 71.3814,  
70.8509

 73.9940, 71.3814,  
70.8509


463.5033,  
465.3856, 482.4017

 55.0804, 52.6535,  
51.7394


123.8828,  
121.1766, 122.1139

 39.7002, 37.5262,  
36.4166


155.5888,  
153.0128, 155.1025

 27.4880, 25.6152,  
24.4639


192.2896,  
189.9871, 193.5539

 18.0786, 16.5360,  
15.4627

234.3505,  
232.4840, 237.8866

 11.1064, 9.9042,  
8.9946

282.1370,  
280.8880, 288.5192

 6.2063, 5.3355,  
4.6409

336.0144,

 3.0128, 2.4454,

335.5833, 345.8702

1.9831

396.3481,  
396.9543, 410.3582

■ 1.1605, 0.8491,  
0.5449

■ 0.0749, 0.0000,  
0.0000

■ 73.9940, 71.3814,  
70.8509

■ 73.9940, 71.3814,  
70.8509

■ 65.5516, 59.0804,  
53.9039

■ 83.8325, 85.7007,  
90.6462

■ 58.4365, 48.6981,  
39.6699

■ 92.8772, 98.8799,  
108.7983

■ 52.5831, 40.1406,  
28.0096

■ 47.9176, 33.3025,  
18.7692

■ 44.3588, 28.0676,  
11.7787

■ 41.8152, 24.3054,  
6.8463

■ 40.1807, 21.8648,  
3.7478

■ 39.3259, 20.5625,  
2.2069

■ 39.1368, 20.2791,  
1.8515

# Harmonies

## Analogous

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



74.4578, 71.3814, 80.1626



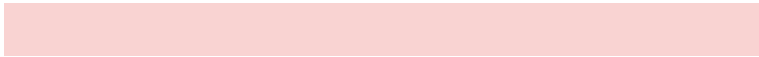
73.9940, 71.3814, 70.8509



71.8568, 71.3814, 63.9419

# Triad

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



73.9940, 71.3814, 70.8509



62.8461, 71.3814, 66.9901



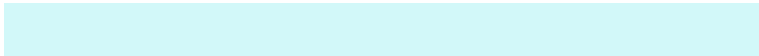
67.0060, 71.3814, 97.5568

# Complementary

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



73.9940, 71.3814, 70.8509



77.2440, 87.6739, 102.4746

# 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.



63.9870, 71.3814, 93.3524



73.9940, 71.3814, 70.8509



61.6374, 71.3814, 75.3318

# Square

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



73.9940, 71.3814, 70.8509



65.4022, 71.3814, 61.8446



62.0481, 71.3814, 85.0240



70.3497, 71.3814, 96.1083



# Rectangle

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



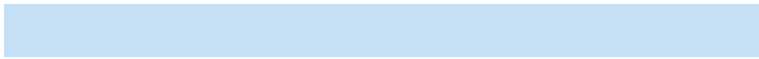
73.9940, 71.3814, 70.8509



69.8078, 71.3814, 61.3711



62.0481, 71.3814, 85.0240



65.9211, 71.3814, 96.7466

# Sweetspot

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



73.9960, 71.3846, 70.8524



89.2292, 91.5350, 97.1665



79.1119, 73.0329, 99.0196



18.9303, 19.3472, 20.4583



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

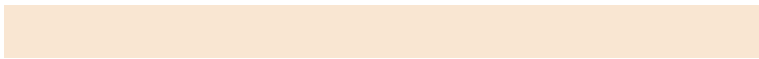
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9960, 71.3846, 70.8524



74.9542, 70.7563, 68.4503



79.0391, 81.4708, 72.5334



17.2804, 17.2967, 17.8902



20.9647, 10.8860, 0.9962

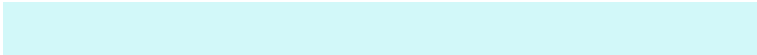


1.9539, 1.0327, 0.0963



# Inverse Universe

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



77.2440, 87.6739, 102.4746



79.0198, 91.1471, 108.0361



71.6559, 76.4977, 100.6119



17.7252, 19.5273, 22.2202



26.2600, 37.8756, 53.9002

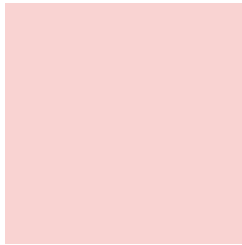


2.4439, 3.5315, 4.9960



# Previews

## White Background



This preview shows how the XYZ color 73.9940, 71.3814, 70.8509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

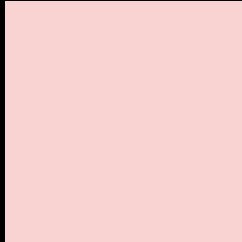
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9940, 71.3814, 70.8509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

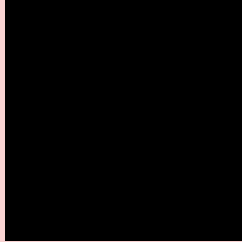
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.9940, 71.3814, 70.8509**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.9940, 71.3814, 70.8509.



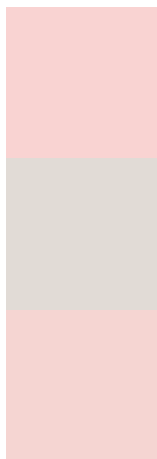
This preview shows how white text looks on a background with the XYZ color 73.9940, 71.3814,

70.8509.

# 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

73.9940, 71.3814, 70.8509

### Protanopia

68.5205, 71.5256, 73.8127

### Deuteranopia

73.0833, 71.6541, 70.9515



## Tritanopia

76.1747, 71.5464, 81.0292

# Trichromacy



## Original Color

73.9940, 71.3814, 70.8509

## Protanomaly

70.4978, 71.4083, 73.0183

## Deuteranomaly

73.1824, 71.3329, 70.8843

## Tritanomaly

75.3892, 71.5845, 77.5539

# Monochromacy



## Original Color

73.9940, 71.3814, 70.8509

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.0050, 72.3606, 76.5543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9940, 71.3814, 70.8509 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, 211, 210)` looks like.

```
.text, #text, p{  
    color:rgb(249, 211, 210)  
}
```

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, 211, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 211, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9940, 71.3814, 70.8509 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, 211, 210) }
```



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

```
.border{ border-color:rgb(249, 211, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 211, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 211, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 211, 210);  
box-shadow:4px 4px 4px 4px rgb(249, 211,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9940, 71.3814, 70.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 211, 210) }
```

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

```
.background{ background-color: rgb(249,  
211, 210) }
```

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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