

# Converting Colors

XYZ(73.7802, 71.9152, 75.0153)

Have a look what the booklet for  
XYZ(73.7802, 71.9152, 75.0153)  
contains.

<b>XYZ(73.8451, 71.9588, 74.9631)</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(73.8451, 71.9588,  
74.9631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5D5D8
RGB	245, 213, 216
RGB Percent	96%, 84%, 85%
CMY	0.0392, 0.1647, 0.1529
CMYK	0.00, 0.13, 0.12, 0.04
HSL	354°, 62%, 90%
HSV	354°, 13%, 96%
XYZ	73.8451, 71.9588, 74.9631
YIQ	222.9100, 18.1090, 7.7170

# Conversions

## Conversions Part 2

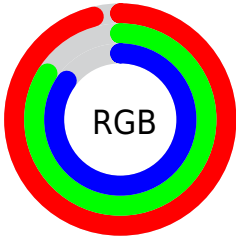
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 213, 216
Decimal	16111064
CIE Lab	87.95, 11.60, 2.62
CIE LCh	88, 11.892, 12.734
Yxy	71.9588, 0.3345, 0.3259
Android (android.graphics.Color)	4294301144 (0xFFFF5D5D8)
YUV	222.9100, -3.4066, 19.3729
Hunter-Lab	84.8285, 6.9382, 6.9853

# Details

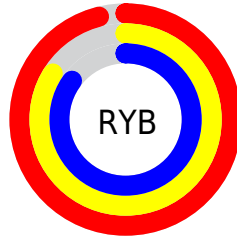
The XYZ color **73.8451, 71.9588, 74.9631** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.1228, 85.8636, 96.5698**, and the grayscale version is **70.0914, 73.7416, 80.3046**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6461, 37.8457, 38.9336** is the 20% darker color. If you saturate the color by 10%, you get **65.4626, 59.4814, 58.9493**, and if you desaturate by 10%, it is **83.5506, 86.4596, 93.3337**.

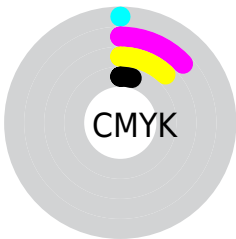
# Distribution



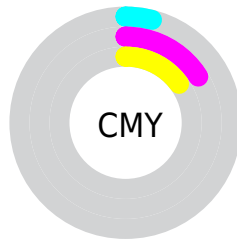
- Red (96%)
- Green (84%)
- Blue (85%)



- Red (96%)
- Yellow (84%)
- Blue (85%)



- Cyan (0%)
- Magenta (13%)
- Yellow (12%)
- Black (4%)




- Cyan (4%)
- Magenta (16%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8451, 71.9588, 74.9631 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 73.8451, 71.9588, 74.9631 by changing the saturation by 10% instead.




 73.8451, 71.9588,  
74.9631

 73.8451, 71.9588,  
74.9631


462.9972,  
467.3982, 497.0428

 54.9581, 53.1250,  
55.0811


123.6729,  
121.9980, 128.0067

 39.6019, 37.9026,  
39.0676


155.3444,  
153.9721, 162.0055

 27.4111, 25.9071,  
26.5041


192.0081,  
191.0952, 201.5469

 18.0204, 16.7541,  
16.9720

234.0293,  
233.7516, 247.0495

 11.0644, 10.0594,  
10.0528

281.7735,  
282.3257, 298.9318

 6.1778, 5.4383,  
5.3279

335.6060,

 2.9952, 2.5067,

337.2019, 357.6125

2.3788

395.8921,  
398.7646, 423.5099

■ 1.1512, 0.8800,  
0.7749

■ 0.0673, 0.0000,  
0.0000

■ 73.8451, 71.9588,  
74.9631

■ 73.8451, 71.9588,  
74.9631

■ 65.4626, 59.4814,  
58.9493

■ 83.5506, 86.4596,  
93.3337

■ 58.3400, 48.9284,  
45.1924

■ 91.4666, 98.1527,  
108.7323

■ 52.4180, 40.2068,  
33.5923

■ 47.6302, 33.2123,  
24.0394

■ 43.9038, 27.8298,  
16.4144

■ 41.1573, 23.9306,  
10.5858

■ 39.2975, 21.3659,  
6.4056

■ 38.2126, 19.9559,  
3.7015

■ 37.8106, 19.4743,  
2.5735

# Harmonies

## Analogous

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



73.7279, 71.9588, 83.0716



73.8451, 71.9588, 74.9631



72.4731, 71.9588, 68.2368

# Triad

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



73.8451, 71.9588, 74.9631



64.7654, 71.9588, 67.4447



66.7911, 71.9588, 94.2077

# Complementary

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



73.8451, 71.9588, 74.9631



76.1228, 85.8636, 96.5698

# 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.



64.4723, 71.9588, 89.4180



73.8451, 71.9588, 74.9631



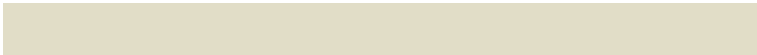
63.3251, 71.9588, 73.8125

# Square

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



73.8451, 71.9588, 74.9631



67.2013, 71.9588, 64.1018



63.2193, 71.9588, 81.8393



69.6021, 71.9588, 94.5691



# Rectangle

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



73.8451, 71.9588, 74.9631



70.9199, 71.9588, 65.2893



63.2193, 71.9588, 81.8393



65.9301, 71.9588, 93.0478

# Sweetspot

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



73.8471, 71.9620, 74.9646



90.4289, 93.0827, 100.1924



76.8271, 73.0262, 96.4333



19.1753, 19.6539, 21.1051



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.



73.8471, 71.9620, 74.9646



77.9947, 74.5174, 76.6160



76.8106, 78.5032, 74.0589



16.5621, 16.5077, 17.4408



20.3907, 10.4997, 1.5000



1.8130, 0.9312, 0.2419



# Inverse Universe

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



73.8471, 71.9620, 74.9646



77.9947, 74.5174, 76.6160



72.8376, 78.5672, 97.7131



16.5621, 16.5077, 17.4408



20.3907, 10.4997, 1.5000

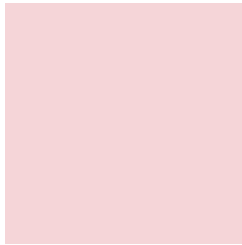


1.8130, 0.9312, 0.2419



# Previews

## White Background



This preview shows how the XYZ color 73.8451, 71.9588, 74.9631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

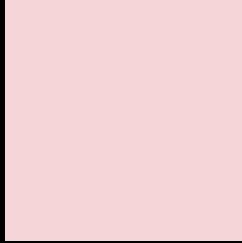
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8451, 71.9588, 74.9631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

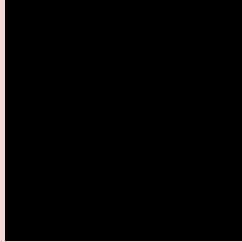
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.8451, 71.9588, 74.9631

## Background



This preview shows how black text looks on a background with the XYZ color 73.8451, 71.9588, 74.9631.



This preview shows how white text looks on a background with the XYZ color 73.8451, 71.9588,

74.9631.

# 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

73.8451, 71.9588, 74.9631

### Protanopia

69.5628, 72.3613, 78.0109

### Deuteranopia

73.4971, 71.7795, 74.9469



## Tritanopia

75.6556, 71.9641, 83.3018

# Trichromacy



## Original Color

73.8451, 71.9588, 74.9631

## Protanomaly

70.8777, 71.8960, 77.1595

## Deuteranomaly

73.4971, 71.7795, 74.9469

## Tritanomaly

75.0041, 72.0616, 80.4772

# Monochromacy



## Original Color

73.8451, 71.9588, 74.9631

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

71.2048, 72.8193, 78.0128

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8451, 71.9588, 74.9631 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(245, 213, 216)` looks like.

```
.text, #text, p{  
    color:rgb(245, 213, 216)  
}
```

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(245, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 213, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8451, 71.9588, 74.9631 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(245, 213, 216) }
```



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

```
.border{ border-color:rgb(245, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(245, 213,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8451, 71.9588, 74.9631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 213, 216) }
```

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

```
.background{ background-color: rgb(245,  
213, 216) }
```

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