

# Converting Colors

XYZ(70.6463, 70.2001, 68.5863)

Have a look what the booklet for  
XYZ(70.6463, 70.2001, 68.5863)  
contains.

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# Color

**XYZ(70.7411, 70.1172,  
68.8370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D4CF
RGB	240, 212, 207
RGB Percent	94%, 83%, 81%
CMY	0.0588, 0.1686, 0.1882
CMYK	0.00, 0.12, 0.14, 0.06
HSL	9°, 52%, 88%
HSV	9°, 14%, 94%
XYZ	70.7411, 70.1172, 68.8370
YIQ	219.8020, 18.2930, 4.3810

# Conversions

## Conversions Part 2

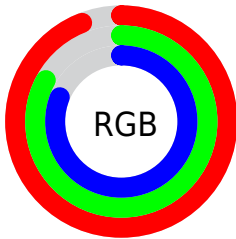
Format	Color
R <sub>Y</sub> B	240, 213, 207
Decimal	15783119
CIE Lab	87.05, 8.92, 6.03
CIE LCh	87, 10.767, 34.042
Yxy	70.1172, 0.3374, 0.3344
Android (android.graphics.Color)	4293973199 (0xFFFF0D4CF)
YUV	219.8020, -6.3114, 17.7136
Hunter-Lab	83.7360, 4.2607, 9.8746

# Details

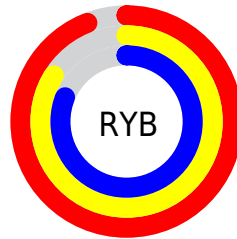
The XYZ color **70.7411, 70.1172, 68.8370** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.1682, 78.9716, 93.9307**, and the grayscale version is **67.9247, 71.4621, 77.8222**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5739, 36.6042, 35.2219** is the 20% darker color. If you saturate the color by 10%, you get **63.2547, 59.4880, 52.9490**, and if you desaturate by 10%, it is **79.3193, 82.2147, 87.2909**.

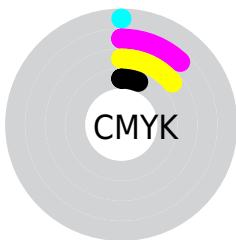
# Distribution



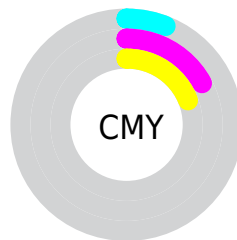
- Red (94%)
- Green (83%)
- Blue (81%)



- Red (94%)
- Yellow (84%)
- Blue (81%)



- Cyan (0%)
- Magenta (12%)
- Yellow (14%)
- Black (6%)




- Cyan (6%)
- Magenta (17%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7411, 70.1172, 68.8370 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 70.7411, 70.1172, 68.8370 by changing the saturation by 10% instead.



 70.7411, 70.1172,  
68.8370

 70.7411, 70.1172,  
68.8370


452.3738,  
460.9614, 475.1342

 52.4127, 51.6221,  
50.1080


119.2855,  
119.3759, 119.2142

 37.5597, 36.7039,  
35.1275


150.2323,  
150.9082, 151.6996

 25.8168, 24.9783,  
23.4767


186.1159,  
187.5551, 189.6075

 16.8186, 16.0609,  
14.7373

227.3017,  
229.7009, 233.3565

 10.1998, 9.5673,  
8.4907

274.1550,  
277.7301, 283.3652

 5.5949, 5.1130,  
4.3182

327.0412,

 2.6386, 2.3137,

332.0269, 340.0520

1.8015

386.3257,  
392.9759, 403.8355

■ 0.9657, 0.7810,  
0.4289

■ 0.0000, 0.0000,  
0.0000

■ 70.7411, 70.1172,  
68.8370

■ 70.7411, 70.1172,  
68.8370

■ 63.2547, 59.4880,  
52.9490

■ 79.3193, 82.2147,  
87.2909

■ 56.8103, 50.2622,  
39.5089

■ 89.0245, 95.8236,  
108.4115

■ 51.3631, 42.3835,  
28.3959

■ 89.7454, 97.2654,  
108.6518

■ 46.8626, 35.7888,  
19.4773

■ 43.2537, 30.4093,  
12.6069

■ 40.4756, 26.1701,  
7.6208

■ 38.4596, 22.9877,  
4.3296

■ 37.1251, 20.7667,  
2.5036

■ 36.5783, 19.8112,  
1.8961

# Harmonies

## Analogous

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



71.5961, 70.1172, 75.3717



70.7411, 70.1172, 68.8370



68.7881, 70.1172, 64.5346

# Triad

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



70.7411, 70.1172, 68.8370



62.3814, 70.1172, 70.4304



66.9864, 70.1172, 91.0437

# Complementary

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



70.7411, 70.1172, 68.8370



71.1682, 78.9716, 93.9307

# 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.



64.5455, 70.1172, 89.5165



70.7411, 70.1172, 68.8370



61.9262, 70.1172, 77.3281

# Square

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



70.7411, 70.1172, 68.8370



63.9681, 70.1172, 65.4131



62.7088, 70.1172, 84.3815



69.3941, 70.1172, 88.4332



# Rectangle

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



70.7411, 70.1172, 68.8370



67.1486, 70.1172, 63.3571



62.7088, 70.1172, 84.3815



66.1425, 70.1172, 90.9982

# Sweetspot

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



70.7430, 70.1203, 68.8385



90.7523, 93.9631, 99.5797



73.2514, 69.1529, 88.1229



19.2567, 19.8757, 20.9508



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

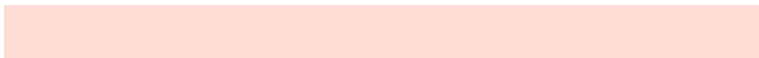


# Same Dimension

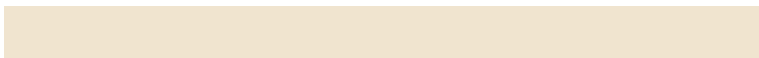
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7430, 70.1203, 68.8385



79.0981, 77.5152, 74.5453



75.0657, 78.7658, 70.2794



15.9663, 16.1457, 16.4246



20.0830, 10.9641, 1.0578



1.7288, 1.0283, 0.1074

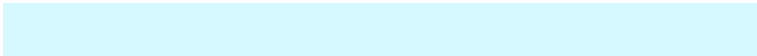


# Inverse Universe

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



71.1682, 78.9716, 93.9307



79.6578, 89.1819, 107.6232



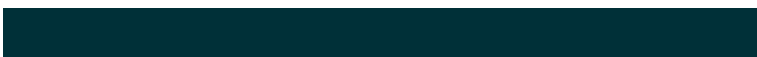
66.6754, 69.9861, 92.4332



16.0313, 17.4966, 20.2539



20.4577, 27.1396, 49.2881

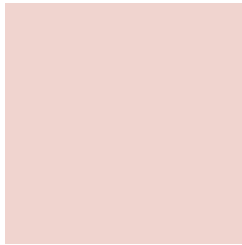


1.7566, 2.3672, 4.1186



# Previews

## White Background



This preview shows how the XYZ color 70.7411, 70.1172, 68.8370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

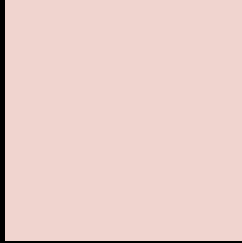
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7411, 70.1172, 68.8370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

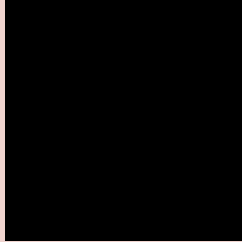
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.7411, 70.1172, 68.8370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7411, 70.1172, 68.8370.



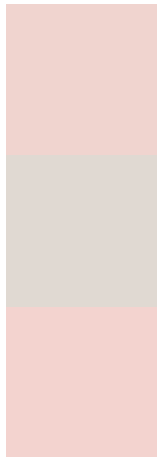
This preview shows how white text looks on a background with the XYZ color 70.7411, 70.1172,

68.8370.

# 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

70.7411, 70.1172, 68.8370

### Protanopia

67.1862, 70.1261, 70.9674

### Deuteranopia

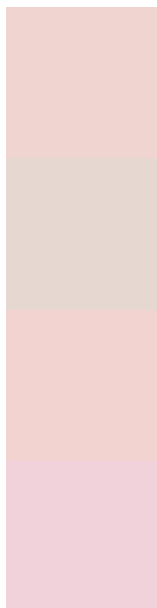
71.5189, 70.1482, 68.8020



## Tritanopia

73.1459, 69.9692, 81.6017

# Trichromacy



## Original Color

70.7411, 70.1172, 68.8370

## Protanomaly

68.4422, 70.0273, 70.2309

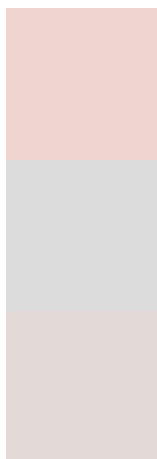
## Deuteranomaly

71.1747, 69.9708, 68.7859

## Tritanomaly

72.1084, 69.9084, 76.7110

# Monochromacy



## Original Color

70.7411, 70.1172, 68.8370

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.7571, 70.8629, 74.3440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7411, 70.1172, 68.8370 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(240, 212, 207) looks like.

```
.text, #text, p{  
  color:rgb(240, 212, 207)  
}
```

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(240, 212, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 212, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7411, 70.1172, 68.8370 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(240, 212, 207) }
```



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

```
.border{ border-color:rgb(240, 212, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 212, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 212, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 212, 207); box-shadow:4px 4px 4px 4px rgb(240, 212, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7411, 70.1172, 68.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 212, 207) }
```

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

```
.background{ background-color: rgb(240,  
212, 207) }
```

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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