

# Converting Colors

XYZ(70.9120, 72.0685, 55.3243)

Have a look what the booklet for  
XYZ(70.9120, 72.0685, 55.3243)  
contains.

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# Color

**XYZ(70.8638, 71.9849,  
55.5070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5D8B8
RGB	245, 216, 184
RGB Percent	96%, 85%, 72%
CMY	0.0392, 0.1529, 0.2784
CMYK	0.00, 0.12, 0.25, 0.04
HSL	31°, 75%, 84%
HSV	31°, 25%, 96%
XYZ	70.8638, 71.9849, 55.5070
YIQ	221.0230, 27.5560, -3.8040

# Conversions

## Conversions Part 2

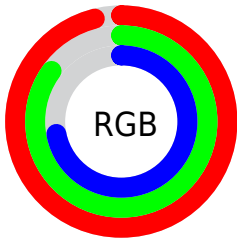
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 245, 184
Decimal	16111800
CIE Lab	87.96, 5.27, 19.47
CIE LCh	88, 20.176, 74.847
Yxy	71.9849, 0.3573, 0.3629
Android (android.graphics.Color)	4294301880 (0xFFFF5D8B8)
YUV	221.0230, -18.2523, 21.0278
Hunter-Lab	84.8439, 0.6109, 20.6017

# Details

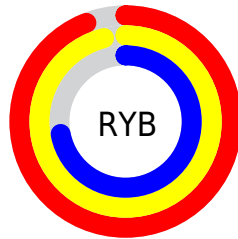
The XYZ color **70.8638, 71.9849, 55.5070** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.0424, 64.3698, 95.6466**, and the grayscale version is **68.8555, 72.4414, 78.8887**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **37.5806, 37.8198, 26.7920** is the 20% darker color. If you saturate the color by 10%, you get **65.6367, 65.2905, 42.1726**, and if you desaturate by 10%, it is **76.7510, 79.2867, 71.2574**.

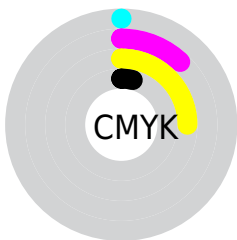
# Distribution



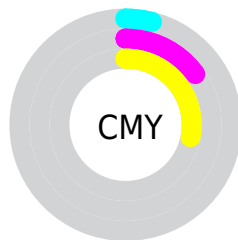
- Red (96%)
- Green (85%)
- Blue (72%)



- Red (94%)
- Yellow (96%)
- Blue (72%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (4%)




- Cyan (4%)
- Magenta (15%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8638, 71.9849, 55.5070 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 70.8638, 71.9849, 55.5070 by changing the saturation by 10% instead.




 70.8638, 71.9849,  
55.5070

 70.8638, 71.9849,  
55.5070


452.7964,  
467.4890, 425.1669

 52.5132, 53.1463,  
39.4065


 119.4593,  
122.0351, 99.7620

 37.6402, 37.9196,  
26.7658


150.4350,  
154.0155, 128.7535

 25.8795, 25.9203,  
17.1665


186.3497,  
191.1452, 162.8791

 16.8657, 16.7640,  
10.1901

227.5688,  
233.8088, 202.5573

 10.2335, 10.0664,  
5.4179

274.4577,  
282.3906, 248.2066

 5.6175, 5.4430,  
2.4315

327.3816,

 2.6524, 2.5095,

337.2750, 300.2456

0.8035

386.7061,  
398.8463, 359.0929

■ 0.9727, 0.8814,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.8638, 71.9849,  
55.5070

■ 70.8638, 71.9849,  
55.5070

■ 65.6367, 65.2905,  
42.1726

■ 76.7510, 79.2867,  
71.2574

■ 61.0366, 59.1759,  
31.1274

■ 83.3182, 87.2030,  
89.5328

■ 57.0362, 53.6253,  
22.2401

■ 90.1857, 95.5912,  
108.3054

■ 53.6031, 48.6183,  
15.3635

■ 91.4663, 98.1526,  
108.7323

■ 50.7013, 44.1330,  
10.3323

■ 48.2896, 40.1448,  
6.9540

■ 46.3184, 36.6255,  
4.9923

■ 45.4468, 34.9934,  
4.3591

# Harmonies

## Analogous

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



75.1832, 71.9849, 61.1563



70.8638, 71.9849, 55.5070



66.0786, 71.9849, 55.4779

# Triad

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



70.8638, 71.9849, 55.5070



59.8694, 71.9849, 85.3589



75.1461, 71.9849, 98.6822

# Complementary

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



70.8638, 71.9849, 55.5070



60.0424, 64.3698, 95.6466

# 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.



70.8150, 71.9849, 106.8480



70.8638, 71.9849, 55.5070



62.0741, 71.9849, 98.5657

# Square

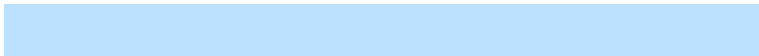
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8638, 71.9849, 55.5070



59.8811, 71.9849, 71.6623



66.0320, 71.9849, 106.8031



77.7332, 71.9849, 85.5035



# Rectangle

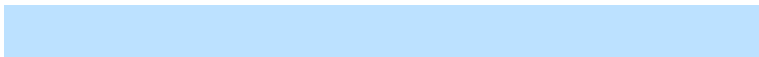
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8638, 71.9849, 55.5070



63.2735, 71.9849, 58.6026



66.0320, 71.9849, 106.8031



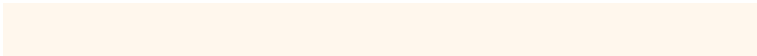
73.8371, 71.9849, 102.1693

# Sweetspot

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



70.8657, 71.9882, 55.5085



89.6607, 93.6087, 93.5784



66.8691, 58.5230, 71.0454



19.0954, 19.9216, 19.7611



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.



70.8657, 71.9882, 55.5085



74.5632, 74.9685, 52.9236



78.6071, 87.9961, 58.1903



17.2187, 17.9215, 17.3492



24.6228, 19.1312, 2.3949

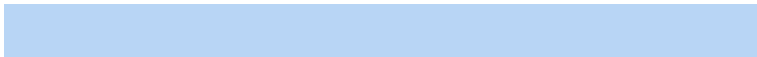


2.2670, 1.8873, 0.2448

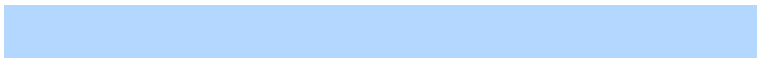


# Inverse Universe

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



60.0424, 64.3698, 95.6466



60.7905, 65.2752, 104.0031



53.6344, 51.1909, 93.4406



16.2309, 17.2261, 21.0121



12.4083, 10.6105, 47.9321

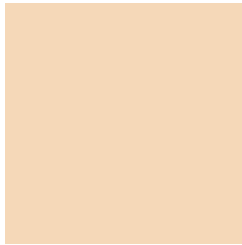


1.1927, 1.1369, 4.2468



# Previews

## White Background



This preview shows how the XYZ color 70.8638, 71.9849, 55.5070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

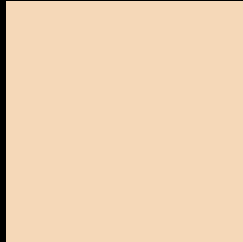
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8638, 71.9849, 55.5070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

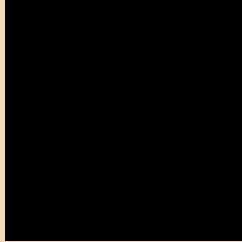
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.8638, 71.9849, 55.5070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8638, 71.9849, 55.5070.



This preview shows how white text looks on a background with the XYZ color 70.8638, 71.9849,



# 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

70.8638, 71.9849, 55.5070

### Protanopia

68.0604, 72.0552, 56.7753

### Deuteranopia

73.5404, 71.8497, 55.8913



## Tritanopia

76.1984, 71.9082, 81.8151

# Trichromacy



## Original Color

70.8638, 71.9849, 55.5070

## Protanomaly

69.0135, 72.1703, 56.1918

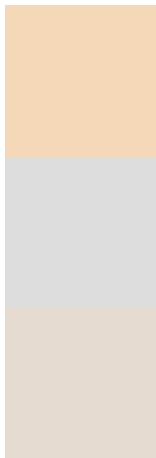
## Deuteranomaly

72.3349, 71.6005, 55.9068

## Tritanomaly

74.0128, 71.7466, 71.5756

# Monochromacy



## Original Color

70.8638, 71.9849, 55.5070

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.3498, 72.0401, 69.9245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8638, 71.9849, 55.5070 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, 216, 184)` looks like.

```
.text, #text, p{  
    color:rgb(245, 216, 184)  
}
```

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, 216, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 216, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8638, 71.9849, 55.5070 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, 216, 184) }
```



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

```
.border{ border-color:rgb(245, 216, 184) }
```

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

Here you see how a box with a 4 pixel rgb(245, 216, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 216, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 216, 184);  
box-shadow:4px 4px 4px 4px rgb(245, 216,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8638, 71.9849, 55.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 216, 184) }
```

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

```
.background{ background-color: rgb(245,  
216, 184) }
```

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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