

# Converting Colors

XYZ(70.2170, 72.1226, 58.8011)

Have a look what the booklet for XYZ(70.2170, 72.1226, 58.8011) contains.

- XYZ(70.0423, 71.8687, 58.8956) ..... 3**
- Conversions*** ..... 4
- Details*** ..... 6
- Harmonies*** ..... 12
- Previews*** ..... 24
- Color Blindness Simulation*** ..... 28
- CSS Examples*** ..... 31

# Color

**XYZ(70.0423, 71.8687,  
58.8956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D9BE
RGB	240, 217, 190
RGB Percent	94%, 85%, 75%
CMY	0.0588, 0.1490, 0.2549
CMYK	0.00, 0.10, 0.21, 0.06
HSL	32°, 63%, 84%
HSV	32°, 21%, 94%
XYZ	70.0423, 71.8687, 58.8956
YIQ	220.7990, 22.3750, -3.5210

# Conversions

## Conversions Part 2

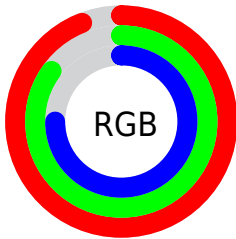
Format	Color
R <sub>Y</sub> B	233, 240, 190
Decimal	15784382
CIE Lab	87.91, 3.76, 16.19
CIE LCh	88, 16.621, 76.938
Yxy	71.8687, 0.3488, 0.3579
Android (android.graphics.Color)	4293974462 (0xFFFF0D9BE)
YUV	220.7990, -15.1839, 16.8393
Hunter-Lab	84.7754, -0.8785, 18.1525

# Details

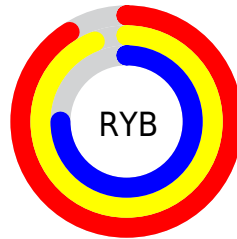
The XYZ color **70.0423, 71.8687, 58.8956** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **60.7572, 64.8253, 91.7488**, and the grayscale version is **68.6800, 72.2567, 78.6876**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **37.2029, 37.8372, 29.0094** is the 20% darker color. If you saturate the color by 10%, you get **64.8821, 65.4060, 45.2821**, and if you desaturate by 10%, it is **75.8286, 78.8913, 74.8504**.

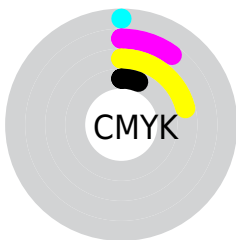
# Distribution



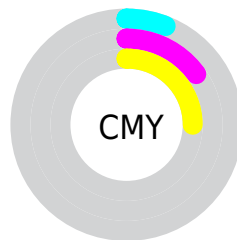
- Red (94%)
- Green (85%)
- Blue (75%)



- Red (91%)
- Yellow (94%)
- Blue (75%)



- Cyan (0%)
- Magenta (10%)
- Yellow (21%)
- Black (6%)




- Cyan (6%)
- Magenta (15%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0423, 71.8687, 58.8956 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 70.0423, 71.8687, 58.8956 by changing the saturation by 10% instead.





 70.0423, 71.8687,  
58.8956

 70.0423, 71.8687,  
58.8956


449.9626,  
467.0845, 438.2060

 51.8407, 53.0514,  
42.1096


 118.2950,  
121.8698, 104.7535

 37.1019, 37.8438,  
28.8609


149.0769,  
153.8225, 134.6626

 25.4604, 25.8615,  
18.7310


184.7829,  
190.9224, 169.7831

 16.5510, 16.7201,  
11.3012

225.7784,  
233.5539, 210.5335

 10.0082, 10.0351,  
6.1531

272.4288,  
282.1015, 257.3325

 5.4667, 5.4222,  
2.8681

325.0994,

 2.5611, 2.4971,

336.9495, 310.5986

1.0277

384.1555,  
398.4824, 370.7502

■ 0.9262, 0.8752,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.0423, 71.8687,  
58.8956

■ 70.0423, 71.8687,  
58.8956

■ 64.8821, 65.4060,  
45.2821

■ 75.8286, 78.8913,  
74.8504

■ 60.3175, 59.4775,  
33.8930

■ 82.2586, 86.4791,  
93.2470

■ 56.3237, 54.0699,  
24.6080

■ 88.2080, 94.1906,  
108.1393

■ 52.8717, 49.1652,  
17.2932

■ 89.7454, 97.2654,  
108.6517

■ 49.9291, 44.7440,  
11.7995

■ 47.4598, 40.7851,  
7.9558

■ 45.4207, 37.2642,  
5.5579

■ 43.8681, 34.3907,  
4.3260

# Harmonies

## Analogous

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



73.6344, 71.8687, 63.3939



70.0423, 71.8687, 58.8956



66.1173, 71.8687, 59.2116

# Triad

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



70.0423, 71.8687, 58.8956



61.2890, 71.8687, 84.7713



74.0175, 71.8687, 94.0863

# Complementary

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



70.0423, 71.8687, 58.8956



60.7572, 64.8253, 91.7488

# 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.



70.5487, 71.8687, 100.9924



70.0423, 71.8687, 58.8956



63.2468, 71.8687, 95.2690

# Square

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



70.0423, 71.8687, 58.8956



61.1653, 71.8687, 73.4328



66.6046, 71.8687, 101.4451



75.9884, 71.8687, 83.2793



# Rectangle

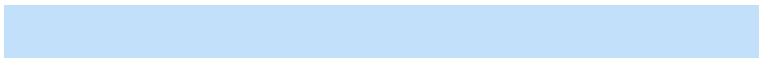
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0423, 71.8687, 58.8956



63.8399, 71.8687, 62.1030



66.6046, 71.8687, 101.4451



72.9820, 71.8687, 96.9846

# Sweetspot

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



70.0442, 71.8719, 58.8971



90.4798, 94.6458, 95.7043



66.4019, 60.1741, 71.2886



19.2635, 20.1364, 20.1907



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.



70.0442, 71.8719, 58.8971



77.7813, 79.2521, 60.6323



75.8268, 84.2733, 60.9860



16.4801, 17.1732, 16.5959



24.1487, 19.0954, 2.4130



2.1084, 1.7874, 0.2339



# Inverse Universe

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



60.7572, 64.8253, 91.7488



65.3415, 69.8143, 104.6394



55.7964, 54.2822, 89.9752



15.4963, 16.4266, 20.0755



11.8143, 9.8528, 46.4070

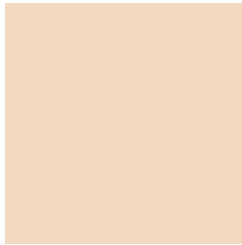


1.0812, 1.0165, 3.8934



# Previews

## White Background



This preview shows how the XYZ color 70.0423, 71.8687, 58.8956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

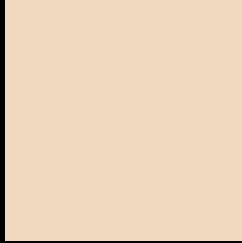
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0423, 71.8687, 58.8956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

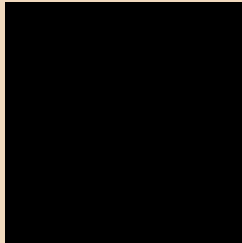
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.0423, 71.8687, 58.8956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0423, 71.8687, 58.8956.



This preview shows how white text looks on a background with the XYZ color 70.0423, 71.8687,



# 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

70.0423, 71.8687, 58.8956

### Protanopia

67.9522, 71.9369, 59.5940

### Deuteranopia

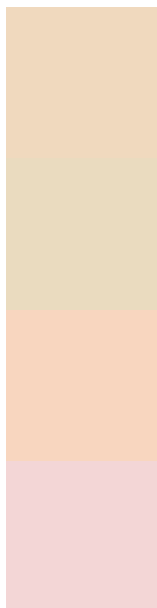
73.0923, 71.5440, 59.2472



## Tritanopia

75.2033, 72.1009, 83.3520

# Trichromacy



## Original Color

70.0423, 71.8687, 58.8956

## Protanomaly

68.6672, 71.9170, 59.5524

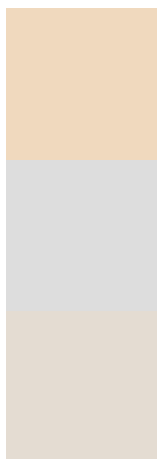
## Deuteranomaly

72.1619, 71.8112, 59.3478

## Tritanomaly

73.1463, 72.0029, 73.6610

# Monochromacy



## Original Color

70.0423, 71.8687, 58.8956

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.2210, 72.3335, 71.2862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0423, 71.8687, 58.8956 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, 217, 190)` looks like.

```
.text, #text, p{  
    color:rgb(240, 217, 190)  
}
```

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, 217, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 217, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0423, 71.8687, 58.8956 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, 217, 190) }
```



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

```
.border{ border-color:rgb(240, 217, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 217, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 217, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 217, 190);  
box-shadow:4px 4px 4px 4px rgb(240, 217,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0423, 71.8687, 58.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 217, 190) }
```

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

```
.background{ background-color: rgb(240,  
217, 190) }
```

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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