

Converting Colors

XYZ(68.8388, 71.8837, 40.3846)

Have a look what the booklet for
XYZ(68.8388, 71.8837, 40.3846)
contains.

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Color

**XYZ(68.8272, 72.0355,
40.4137)**

Conversions

Conversions Part 1

Format	Color
Hex	F6DA99
RGB	246, 218, 153
RGB Percent	96%, 85%, 60%
CMY	0.0353, 0.1451, 0.4000
CMYK	0.00, 0.11, 0.38, 0.04
HSL	42°, 84%, 78%
HSV	42°, 38%, 96%
XYZ	68.8272, 72.0355, 40.4137
YIQ	218.9620, 37.5530, -14.2790

Conversions

Conversions Part 2

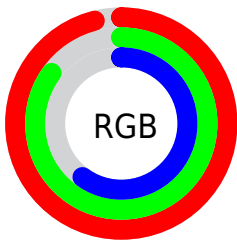
Format	Color
R _Y B	193, 246, 153
Decimal	16177817
CIE Lab	87.99, 0.78, 35.55
CIE LCh	88, 35.562, 88.738
Yxy	72.0355, 0.3797, 0.3974
Android (android.graphics.Color)	4294367897 (0xFFFF6DA99)
YUV	218.9620, -32.5193, 23.7123
Hunter-Lab	84.8737, -3.7769, 31.1799

Details

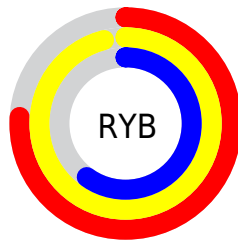
The XYZ color **68.8272, 72.0355, 40.4137** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.2949, 46.4725, 93.7189**, and the grayscale version is **67.5073, 71.0230, 77.3440**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **36.1852, 37.8253, 17.7058** is the 20% darker color. If you saturate the color by 10%, you get **65.1242, 67.5526, 30.1677**, and if you desaturate by 10%, it is **73.0385, 76.8643, 52.8971**.

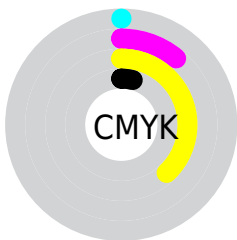
Distribution



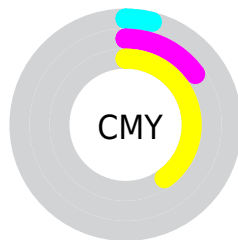
- Red (96%)
- Green (85%)
- Blue (60%)



- Red (76%)
- Yellow (96%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (38%)
- Black (4%)





- Cyan (4%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8272, 72.0355, 40.4137 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 68.8272, 72.0355, 40.4137 by changing the saturation by 10% instead.


 68.8272, 72.0355,
40.4137


 68.8272, 72.0355,
40.4137


445.7522,
467.6652, 363.4680

 50.8471, 53.1877,
27.5450


 116.5702,
122.1070, 77.0370

 36.3075, 37.9526,
17.7469


 147.0637,
154.0995, 101.6288

 24.8430, 25.9459,
10.6009


182.4592,
191.2423, 130.9653

 16.0882, 16.7832,
5.6884

223.1219,
233.9198, 165.4650

 9.6778, 10.0800,
2.5908

269.4172,
282.5165, 205.5467

 5.2465, 5.4520,
0.8877

321.7104,

 2.4289, 2.5149,

337.4166, 251.6287

0.0000

380.3670,
399.0047, 304.1296

■ 0.8595, 0.8841,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8272, 72.0355,
40.4137

■ 68.8272, 72.0355,
40.4137

■ 65.1242, 67.5526,
30.1677

■ 73.0385, 76.8643,
52.8971

■ 61.8970, 63.3929,
22.0178

■ 77.7776, 82.0405,
67.7388

■ 59.1176, 59.5460,
15.8135

■ 83.0691, 87.5784,
85.0562

■ 56.7520, 55.9966,
11.3819

■ 88.9347, 93.4884,
104.9573

■ 54.7605, 52.7267,
8.5195

■ 91.8160, 98.3328,
108.7487

■ 53.0899, 49.7133,
6.9526

■ 52.7491, 49.0789,
6.6930

Harmonies

Analogous

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



77.2781, 72.0355, 44.9199



68.8272, 72.0355, 40.4137



60.9270, 72.0355, 44.2146

Triad

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



68.8272, 72.0355, 40.4137



55.1488, 72.0355, 103.0836



83.3646, 72.0355, 105.2350

Complementary

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



68.8272, 72.0355, 40.4137



46.2949, 46.4725, 93.7189

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.



76.6060, 72.0355, 126.8900



68.8272, 72.0355, 40.4137



60.3535, 72.0355, 125.4784

Square

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



68.8272, 72.0355, 40.4137



53.4326, 72.0355, 77.4108



68.1092, 72.0355, 134.9623



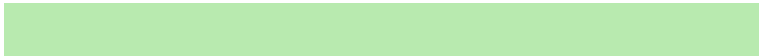
86.0874, 72.0355, 79.4670

Rectangle

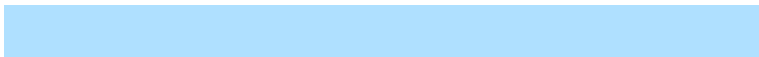
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8272, 72.0355, 40.4137



56.9331, 72.0355, 51.5039



68.1092, 72.0355, 134.9623



81.4633, 72.0355, 113.4185

Sweetspot

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



68.8290, 72.0388, 40.4152



88.2235, 93.0539, 85.9482



57.8879, 45.7721, 50.2849



18.7146, 19.7414, 17.8414



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.



68.8290, 72.0388, 40.4152



71.7058, 74.5882, 35.5254



71.0030, 84.8614, 42.7756



17.4690, 18.4222, 17.4327



28.2842, 26.4540, 3.6154



2.5757, 2.5047, 0.3477

Inverse Universe

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



46.2949, 46.4725, 93.7189



44.1968, 43.3961, 100.6546



44.6149, 37.9889, 92.1699



15.9878, 16.7399, 20.9310



10.2947, 6.3832, 47.2275



0.9911, 0.7336, 4.1796

Previews

White Background



This preview shows how the XYZ color 68.8272, 72.0355, 40.4137 looks on a white background.

Color Contrast Check

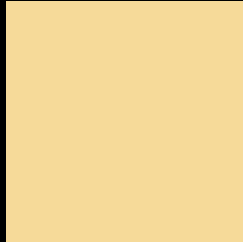
Large Text (above 18pt) WCAG AA × Fail

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 68.8272, 72.0355, 40.4137 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 68.8272, 72.0355, 40.4137

Background



This preview shows how black text looks on a background with the XYZ color 68.8272, 72.0355, 40.4137.



This preview shows how white text looks on a background with the XYZ color 68.8272, 72.0355,

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

68.8272, 72.0355, 40.4137

Protanopia

66.9491, 72.2231, 40.9837

Deuteranopia

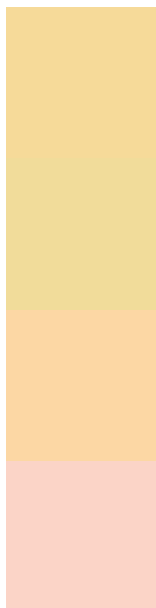
72.3849, 71.7888, 48.5696



Tritanopia

77.2641, 72.1080, 81.0801

Trichromacy



Original Color

68.8272, 72.0355, 40.4137

Protanomaly

67.7016, 72.2203, 40.9435

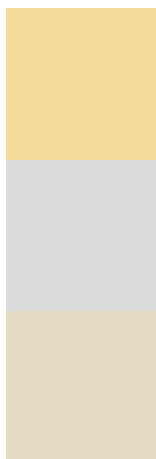
Deuteranomaly

71.1462, 71.9767, 45.2650

Tritanomaly

73.6359, 71.7197, 63.9951

Monochromacy



Original Color

68.8272, 72.0355, 40.4137

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4949, 71.2612, 61.8272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8272, 72.0355, 40.4137 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(246, 218, 153)` looks like.

```
.text, #text, p{  
    color:rgb(246, 218, 153)  
}
```

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(246, 218, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 218, 153) }
```

Border

The CSS property to change the border of an element to XYZ 68.8272, 72.0355, 40.4137 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(246, 218, 153) }
```


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

```
.border{ border-color:rgb(246, 218, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 218, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 218, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 218, 153);  
box-shadow:4px 4px 4px 4px rgb(246, 218,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8272, 72.0355, 40.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 218, 153) }
```

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

```
.background{ background-color: rgb(246,  
218, 153) }
```

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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