

Converting Colors

XYZ(121.2876, 97.0034,
39.6095)

Have a look what the booklet for
XYZ(121.2876, 97.0034, 39.6095)
contains.

| | |
|--|----|
| XYZ(69.9718, 70.4223, 37.0991) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(69.9718, 70.4223,
37.0991)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFD492 |
| RGB | 255, 212, 146 |
| RGB Percent | 100%, 83%, 57% |
| CMY | 0.0000, 0.1686, 0.4274 |
| CMYK | 0.00, 0.17, 0.43, 0.00 |
| HSL | 36°, 100%, 79% |
| HSV | 36°, 43%, 100% |
| XYZ | 69.9718, 70.4223, 37.0991 |
| YIQ | 217.3330, 46.8140, -11.4100 |

Conversions

Conversions Part 2

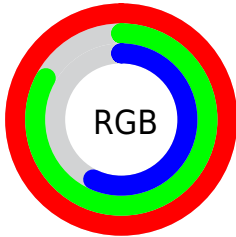
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 217, 255, 146 |
| Decimal | 16766098 |
| CIE Lab | 87.20, 6.63, 38.25 |
| CIE LCh | 87, 38.818, 80.166 |
| Yxy | 70.4223, 0.3942, 0.3968 |
| Android (android.graphics.Color) | 4294956178 (0xFFFFD492) |
| YUV | 217.3330, -35.1672, 33.0340 |
| Hunter-Lab | 83.9180, 1.9789, 32.5312 |

Details

The XYZ color **69.9718, 70.4223, 37.0991** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.1010, 49.7244, 101.6702**, and the grayscale version is **66.3947, 69.8523, 76.0692**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **37.0122, 36.9976, 15.7802** is the 20% darker color. If you saturate the color by 10%, you get **65.7691, 64.8451, 26.9795**, and if you desaturate by 10%, it is **74.7771, 76.4964, 49.6036**.

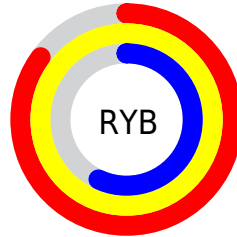
Distribution



Red (100%)

Green (83%)

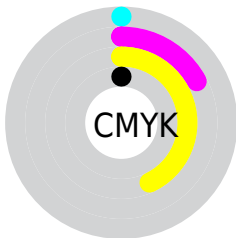
Blue (57%)



Red (85%)

Yellow (100%)

Blue (57%)

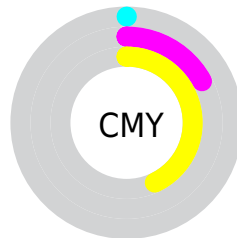


Cyan (0%)

Magenta (17%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9718, 70.4223, 37.0991 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 69.9718, 70.4223, 37.0991 by changing the saturation by 10% instead.


 69.9718, 70.4223,
37.0991

 69.9718, 70.4223,
37.0991


449.7189,
462.0314, 348.9210

 51.7831, 51.8709,
24.9878


 118.1950,
119.8108, 71.9132

 37.0558, 36.9022,
15.8491

 148.9602,
151.4167, 95.4531

 25.4245, 25.1318,
9.2642


184.6483,
188.1428, 123.6397

 16.5240, 16.1752,
4.8148

225.6246,
230.3736, 156.8914

 9.9889, 9.6482,
2.0822

272.2544,
278.4935, 195.6269

 5.4538, 5.1664,
0.6051

324.9032,

 2.5534, 2.3452,

332.8868, 240.2646

0.0000

383.9362,
393.9380, 291.2231

■ 0.9223, 0.7975,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.9718, 70.4223,
37.0991

■ 69.9718, 70.4223,
37.0991

■ 65.7691, 64.8451,
26.9795

■ 74.7771, 76.4964,
49.6036

■ 62.1311, 59.7372,
19.0828

■ 80.2095, 83.0738,
64.6320

■ 59.0233, 55.0829,
13.2335

■ 86.2983, 90.1731,
82.3174

■ 56.4041, 50.8607,
9.2274

■ 93.0693, 97.8088,
102.7824

■ 54.2235, 47.0458, 95.0499, 100.0000,
6.8169 108.9000

■ 52.8645, 44.5091,
5.8049

Harmonies

Analogous

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



78.7976, 70.4223, 44.2373



69.9718, 70.4223, 37.0991



61.0734, 70.4223, 38.5594

Triad

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



69.9718, 70.4223, 37.0991



51.7966, 70.4223, 95.3119



81.3116, 70.4223, 113.5246

Complementary

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



69.9718, 70.4223, 37.0991



48.1010, 49.7244, 101.6702

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.



73.1586, 70.4223, 134.0895



69.9718, 70.4223, 37.0991



56.3258, 70.4223, 122.0297

Square

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



69.9718, 70.4223, 37.0991



51.1112, 70.4223, 68.4224



63.9860, 70.4223, 137.5133



85.7262, 70.4223, 85.5721

Rectangle

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



69.9718, 70.4223, 37.0991



56.2564, 70.4223, 44.3670



63.9860, 70.4223, 137.5133



78.8844, 70.4223, 121.7749

Sweetspot

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



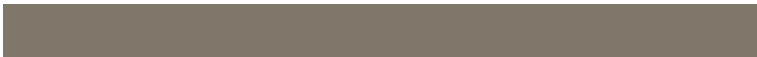
69.9735, 70.4256, 37.1005



86.1343, 89.9851, 81.8310



60.7699, 45.5187, 54.0701



18.1371, 18.9160, 16.6327



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.



69.9735, 70.4256, 37.1005



66.4608, 65.7840, 28.5800



78.2914, 92.8463, 40.9898



18.9247, 19.8176, 18.9721



27.7726, 23.5565, 3.0831



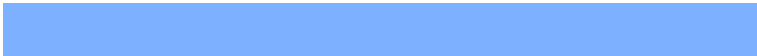
2.8107, 2.5068, 0.3357

Inverse Universe

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



48.1010, 49.7244, 101.6702



42.0740, 42.7239, 100.6367



42.2147, 34.9367, 99.1261



17.5908, 18.5532, 22.9039



11.9773, 8.8643, 50.5143



1.2691, 1.0688, 4.9527

Previews

White Background



This preview shows how the XYZ color 69.9718, 70.4223, 37.0991 looks on a white background.

Color Contrast Check

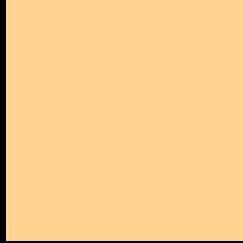
Large Text (above 18pt) WCAG AA × Fail

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 69.9718, 70.4223, 37.0991 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 69.9718, 70.4223, 37.0991

Background



This preview shows how black text looks on a background with the XYZ color 69.9718, 70.4223, 37.0991.



This preview shows how white text looks on a background with the XYZ color 69.9718, 70.4223,

37.0991.

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

69.9718, 70.4223, 37.0991

Protanopia

65.6814, 70.8375, 38.6450

Deuteranopia

71.0559, 70.4572, 44.0370



Tritanopia

76.0975, 70.5171, 76.6182

Trichromacy



Original Color

69.9718, 70.4223, 37.0991

Protanomaly

67.2094, 70.4829, 38.0792

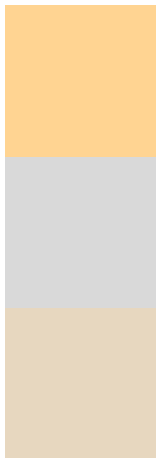
Deuteranomaly

70.5350, 70.2488, 41.2943

Tritanomaly

73.3103, 70.1775, 59.5509

Monochromacy



Original Color

69.9718, 70.4223, 37.0991

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.6594, 69.3514, 59.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9718, 70.4223, 37.0991 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(255, 212, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 146)  
}
```

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(255, 212, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 146) }
```

Border

The CSS property to change the border of an element to XYZ 69.9718, 70.4223, 37.0991 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(255, 212, 146) }
```


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

```
.border{ border-color:rgb(255, 212, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9718, 70.4223, 37.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 146) }
```

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

```
.background{ background-color: rgb(255,  
212, 146) }
```

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