

Converting Colors

XYZ(88.8868, 80.1377, 43.6103)

Have a look what the booklet for
XYZ(88.8868, 80.1377, 43.6103)
contains.

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Color

**XYZ(71.0415, 70.8502,
42.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD49F
RGB	255, 212, 159
RGB Percent	100%, 83%, 62%
CMY	0.0000, 0.1686, 0.3765
CMYK	0.00, 0.17, 0.38, 0.00
HSL	33°, 100%, 81%
HSV	33°, 38%, 100%
XYZ	71.0415, 70.8502, 42.7320
YIQ	218.8150, 42.6410, -7.3670

Conversions

Conversions Part 2

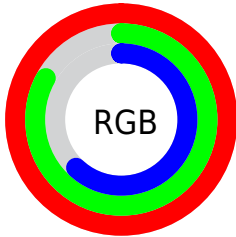
Format	Color
R_{YB}	237, 255, 159
Decimal	16766111
CIE _{Lab}	87.41, 8.02, 31.87
CIE _{LCh}	87, 32.861, 75.875
Yxy	70.8502, 0.3848, 0.3838
Android (android.graphics.Color)	4294956191 (0xFFFFD49F)
YUV	218.8150, -29.4888, 31.7342
Hunter-Lab	84.1726, 3.3517, 28.8210

Details

The XYZ color **71.0415, 70.8502, 42.7320** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.4679, 56.8300, 102.7589**, and the grayscale version is **67.3825, 70.8916, 77.2010**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **37.7368, 37.0458, 19.0715** is the 20% darker color. If you saturate the color by 10%, you get **66.2987, 64.5480, 31.3372**, and if you desaturate by 10%, it is **76.4463, 77.7455, 56.6009**.

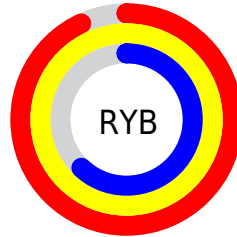
Distribution



Red (100%)

Green (83%)

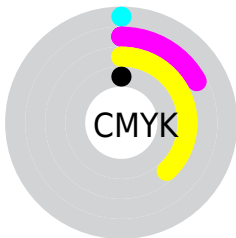
Blue (62%)



Red (93%)

Yellow (100%)

Blue (62%)

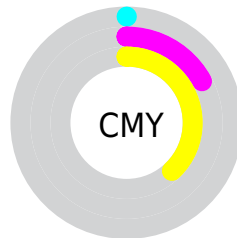


Cyan (0%)

Magenta (17%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0415, 70.8502, 42.7320 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 71.0415, 70.8502, 42.7320 by changing the saturation by 10% instead.


 71.0415, 70.8502,
42.7320


 71.0415, 70.8502,
42.7320

453.4081,
463.5296, 373.3972

 52.6587, 52.2200,
29.3451


 119.7110,
120.4204, 80.5883

 37.7568, 37.1804,
19.0942

 150.7284,
152.1292, 105.8947

 25.9703, 25.3472,
11.5608


186.6882,
188.9662, 136.0114

 16.9340, 16.3359,
6.3265

227.9555,
231.3159, 171.3568

 10.2825, 9.7622,
2.9726

274.8958,
279.5627, 212.3496

 5.6503, 5.2416,
1.0807

327.8744,

 2.6723, 2.3897,

334.0910, 259.4082

0.0000

387.2567,
395.2852, 312.9513

■ 0.9829, 0.8206,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.0415, 70.8502,
42.7320

■ 71.0415, 70.8502,
42.7320

■ 66.2987, 64.5480,
31.3372

■ 76.4463, 77.7455,
56.6009

■ 62.1802, 58.8093,
22.2620

■ 82.5377, 85.2425,
73.0772

■ 58.6520, 53.6165,
15.3409

■ 89.3452, 93.3617,
92.2895

■ 55.6740, 48.9462,
10.3844

95.0500, 100.0000,
108.9000

■ 53.1995, 44.7726,
7.1693

■ 51.1682, 41.0639,
5.4016

■ 50.7349, 40.2498,
5.0950

Harmonies

Analogous

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



78.2518, 70.8502, 50.3979



71.0415, 70.8502, 42.7320



63.3487, 70.8502, 42.9597

Triad

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



71.0415, 70.8502, 42.7320



54.0072, 70.8502, 89.4092



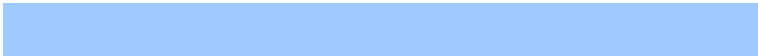
78.6076, 70.8502, 110.8148

Complementary

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



71.0415, 70.8502, 42.7320



53.4679, 56.8300, 102.7589

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.



71.4976, 70.8502, 125.8745



71.0415, 70.8502, 42.7320



57.4947, 70.8502, 111.9912

Square

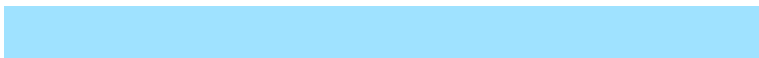
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0415, 70.8502, 42.7320



53.9057, 70.8502, 67.1954



63.7713, 70.8502, 126.3421



82.8415, 70.8502, 88.0286

Rectangle

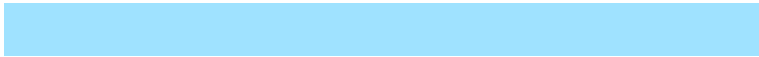
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0415, 70.8502, 42.7320



58.9848, 70.8502, 47.4858



63.7713, 70.8502, 126.3421



76.4514, 70.8502, 117.1254

Sweetspot

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



71.0433, 70.8535, 42.7334



86.9808, 90.5684, 85.5339



64.3229, 50.3307, 62.3266



18.4179, 19.1480, 17.7425



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.



71.0433, 70.8535, 42.7334



67.4920, 66.1607, 34.1208



81.5142, 94.3842, 46.7234



18.8410, 19.6501, 18.9442



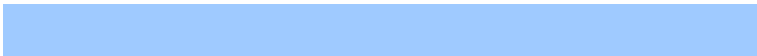
26.6614, 21.3341, 2.7127



2.7050, 2.2954, 0.3005

Inverse Universe

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



53.4679, 56.8300, 102.7589



47.6784, 50.3592, 101.8151



45.7174, 39.8883, 99.8974



17.6728, 18.7172, 22.9313



12.7316, 10.3728, 50.7657



1.3468, 1.2242, 4.9786

Previews

White Background



This preview shows how the XYZ color 71.0415, 70.8502, 42.7320 looks on a white background.

Color Contrast Check

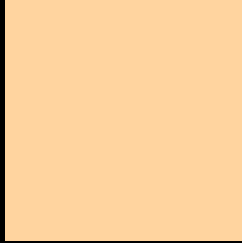
Large Text (above 18pt) WCAG AA × Fail

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 71.0415, 70.8502, 42.7320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

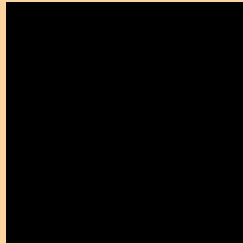
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.0415, 70.8502, 42.7320

Background



This preview shows how black text looks on a background with the XYZ color 71.0415, 70.8502, 42.7320.



This preview shows how white text looks on a background with the XYZ color 71.0415, 70.8502,

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

71.0415, 70.8502, 42.7320

Protanopia

66.1141, 70.9338, 44.3894

Deuteranopia

71.6957, 70.7131, 47.4063



Tritanopia

76.4711, 71.0530, 77.3943

Trichromacy



Original Color

71.0415, 70.8502, 42.7320

Protanomaly

67.6068, 70.5622, 43.7748

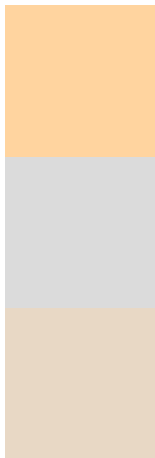
Deuteranomaly

71.3258, 70.5651, 45.4585

Tritanomaly

74.2335, 70.9381, 63.2060

Monochromacy



Original Color

71.0415, 70.8502, 42.7320

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.9126, 70.2988, 62.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0415, 70.8502, 42.7320 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 159) }
```

Border

The CSS property to change the border of an element to XYZ 71.0415, 70.8502, 42.7320 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, 159) }
```


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

```
.border{ border-color:rgb(255, 212, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0415, 70.8502, 42.7320 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
212, 159) }
```

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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