

Converting Colors

XYZ(70.7814, 70.7430, 41.3702)

Have a look what the booklet for
XYZ(70.7814, 70.7430, 41.3702)
contains.

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Color

**XYZ(70.7842, 70.7473,
41.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD49C
RGB	255, 212, 156
RGB Percent	100%, 83%, 61%
CMY	0.0000, 0.1686, 0.3882
CMYK	0.00, 0.17, 0.39, 0.00
HSL	34°, 100%, 81%
HSV	34°, 39%, 100%
XYZ	70.7842, 70.7473, 41.3773
YIQ	218.4730, 43.6040, -8.3000

Conversions

Conversions Part 2

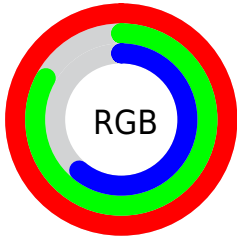
Format	Color
RYB	232, 255, 156
Decimal	16766108
CIELab	87.36, 7.69, 33.35
CIELCh	87, 34.220, 77.018
Yxy	70.7473, 0.3870, 0.3868
Android (android.graphics.Color)	4294956188 (0xFFFFD49C)
YUV	218.4730, -30.7992, 32.0342
Hunter-Lab	84.1114, 3.0222, 29.7112

Details

The XYZ color **70.7842, 70.7473, 41.3773** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.1829, 55.1326, 102.4989**, and the grayscale version is **67.1538, 70.6510, 76.9389**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **37.7515, 37.3235, 18.3111** is the 20% darker color. If you saturate the color by 10%, you get **66.1739, 64.6270, 30.2827**, and if you desaturate by 10%, it is **76.0413, 77.4354, 54.9253**.

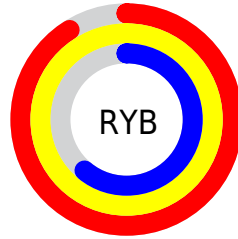
Distribution



Red (100%)

Green (83%)

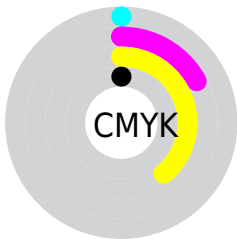
Blue (61%)



Red (91%)

Yellow (100%)

Blue (61%)

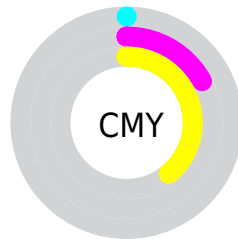


Cyan (0%)

Magenta (17%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7842, 70.7473, 41.3773 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 70.7842, 70.7473, 41.3773 by changing the saturation by 10% instead.


 70.7842, 70.7473,
41.3773


 70.7842, 70.7473,
41.3773


452.5223,
463.1696, 367.6183

 52.4480, 52.1360,
28.2921


 119.3466,
120.2738, 78.5162

 37.5880, 37.1135,
18.3050


 150.3035,
151.9579, 103.4070

 25.8388, 25.2954,
10.9975


186.1980,
188.7683, 133.0700

 16.8352, 16.2973,
5.9510

227.3955,
231.0894, 167.9239

 10.2116, 9.7347,
2.7470

274.2613,
279.3057, 208.3871

 5.6028, 5.2234,
0.9669

327.1608,

 2.6435, 2.3790,

333.8016, 254.8782

0.0000

386.4594,
394.9614, 307.8158

■ 0.9682, 0.8150,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.7842, 70.7473,
41.3773

■ 70.7842, 70.7473,
41.3773

■ 66.1739, 64.6270,
30.2827

■ 76.0413, 77.4354,
54.9253

■ 62.1726, 59.0454,
21.4852

■ 81.9696, 84.6990,
71.0609

■ 58.7464, 53.9855,
14.8173

■ 88.5986, 92.5584,
89.9141

■ 55.8549, 49.4245,
10.0863

95.0499, 100.0000,
108.9000

■ 53.4510, 45.3370,
7.0641

■ 51.4678, 41.6893,
5.4204

■ 51.2522, 41.2846,
5.2674

Harmonies

Analogous

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



78.3695, 70.7473, 48.9152



70.7842, 70.7473, 41.3773



62.8095, 70.7473, 41.9142

Triad

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



70.7842, 70.7473, 41.3773



53.4888, 70.7473, 90.7630



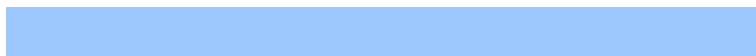
79.2273, 70.7473, 111.4182

Complementary

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



70.7842, 70.7473, 41.3773



52.1829, 55.1326, 102.4989

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.



71.8808, 70.7473, 127.7312



70.7842, 70.7473, 41.3773



57.2232, 70.7473, 114.2691

Square

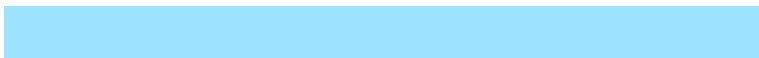
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7842, 70.7473, 41.3773



53.2466, 70.7473, 67.4874



63.8223, 70.7473, 128.8680



83.4998, 70.7473, 87.4362

Rectangle

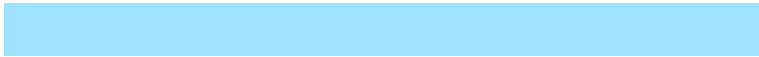
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7842, 70.7473, 41.3773



58.3392, 70.7473, 46.7556



63.8223, 70.7473, 128.8680



77.0100, 70.7473, 118.1722

Sweetspot

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



70.7860, 70.7506, 41.3787



86.4150, 89.9959, 83.6221



63.6186, 49.2335, 61.1317



18.3087, 19.0411, 17.3625



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.



70.7860, 70.7506, 41.3787



66.9681, 65.7023, 32.1293



81.2031, 94.2534, 45.3662



18.8622, 19.6925, 18.9512



26.9318, 21.8748, 2.8028



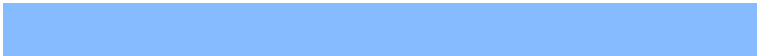
2.7310, 2.3473, 0.3091

Inverse Universe

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



52.1829, 55.1326, 102.4989



45.8784, 48.0084, 101.4562



44.6270, 38.5696, 99.7001



17.6519, 18.6754, 22.9243



12.5291, 9.9678, 50.6982



1.3261, 1.1830, 4.9717

Previews

White Background



This preview shows how the XYZ color 70.7842, 70.7473, 41.3773 looks on a white background.

Color Contrast Check

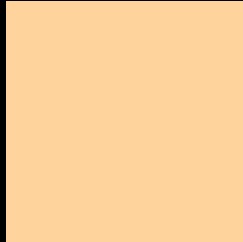
Large Text (above 18pt) WCAG AA × Fail

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 70.7842, 70.7473, 41.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

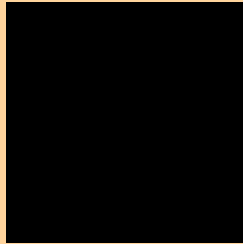
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7842, 70.7473, 41.3773

Background



This preview shows how black text looks on a background with the XYZ color 70.7842, 70.7473, 41.3773.



This preview shows how white text looks on a background with the XYZ color 70.7842, 70.7473,

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

70.7842, 70.7473, 41.3773

Protanopia

66.1816, 70.9991, 43.0169

Deuteranopia

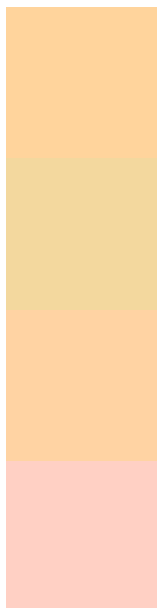
71.5093, 70.6386, 46.4249



Tritanopia

76.0975, 70.5171, 76.6182

Trichromacy



Original Color

70.7842, 70.7473, 41.3773

Protanomaly

67.6896, 70.6350, 42.4141

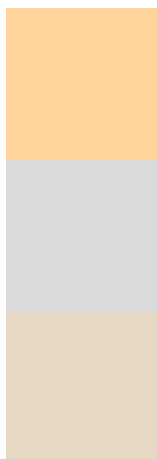
Deuteranomaly

71.1451, 70.4929, 44.5071

Tritanomaly

73.7597, 70.3573, 61.9173

Monochromacy



Original Color

70.7842, 70.7473, 41.3773

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.3612, 70.0408, 61.5987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7842, 70.7473, 41.3773 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 156) }
```

Border

The CSS property to change the border of an element to XYZ 70.7842, 70.7473, 41.3773 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, 156) }
```


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

```
.border{ border-color:rgb(255, 212, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7842, 70.7473, 41.3773 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
212, 156) }
```

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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