

Converting Colors

XYZ(70.3388, 71.5033, 40.5519)

Have a look what the booklet for
XYZ(70.3388, 71.5033, 40.5519)
contains.

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Color

**XYZ(70.6412, 71.8166,
40.7107)**

Conversions

Conversions Part 1

Format	Color
Hex	FDD79A
RGB	253, 215, 154
RGB Percent	99%, 84%, 60%
CMY	0.0078, 0.1568, 0.3961
CMYK	0.00, 0.15, 0.39, 0.01
HSL	37°, 96%, 80%
HSV	37°, 39%, 99%
XYZ	70.6412, 71.8166, 40.7107
YIQ	219.4080, 42.2290, -10.9150

Conversions

Conversions Part 2

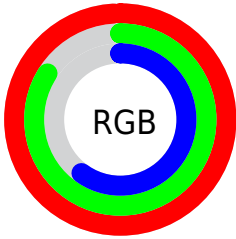
Format	Color
RYB	216, 253, 154
Decimal	16635802
CIELab	87.88, 5.15, 35.02
CIElCh	88, 35.397, 81.637
Yxy	71.8166, 0.3857, 0.3921
Android (android.graphics.Color)	4294825882 (0xFFFD79A)
YUV	219.4080, -32.2461, 29.4602
Hunter-Lab	84.7447, 0.4903, 30.8388

Details

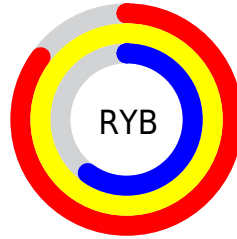
The XYZ color **70.6412, 71.8166, 40.7107** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.9052, 51.6595, 100.2695**, and the grayscale version is **67.8134, 71.3450, 77.6947**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.4748, 37.7030, 17.8727** is the 20% darker color. If you saturate the color by 10%, you get **66.3531, 66.2645, 29.9584**, and if you desaturate by 10%, it is **75.5238, 77.8466, 53.8536**.

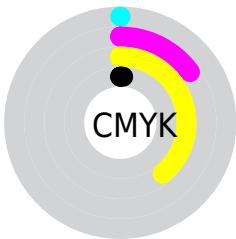
Distribution



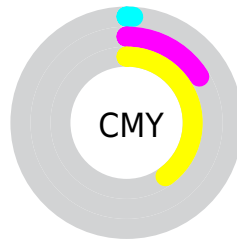
- Red (99%)
- Green (84%)
- Blue (60%)



- Red (85%)
- Yellow (99%)
- Blue (60%)



- Cyan (0%)
- Magenta (15%)
- Yellow (39%)
- Black (1%)





- Cyan (1%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6412, 71.8166, 40.7107 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 70.6412, 71.8166, 40.7107 by changing the saturation by 10% instead.


 70.6412, 71.8166,
40.7107


 70.6412, 71.8166,
40.7107


452.0296,
466.9030, 364.7508

 52.3309, 53.0089,
27.7751


 119.1440,
121.7957, 77.4934

 37.4942, 37.8099,
17.9186


 150.0672,
153.7360, 102.1776

 25.7658, 25.8351,
10.7228

185.9255,
190.8225, 131.6151

 16.7803, 16.7004,
5.7689

227.0841,
233.4396, 166.2244

 10.1723, 10.0211,
2.6386

273.9085,
281.9719, 206.4241

 5.5765, 5.4129,
0.9123

326.7639,

 2.6275, 2.4915,

336.8036, 252.6327

0.0000

386.0158,
398.3192, 305.2688

■ 0.9600, 0.8724,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6412, 71.8166,
40.7107

■ 70.6412, 71.8166,
40.7107

■ 66.3531, 66.2645,
29.9584

■ 75.5238, 77.8466,
53.8536

■ 62.6233, 61.1638,
21.4433

■ 81.0237, 84.3596,
69.5188

■ 59.4199, 56.5003,
15.0008

■ 87.1687, 91.3732,
87.8334

■ 56.7043, 52.2543,
10.4418

■ 93.9507, 98.8880,
108.7433

■ 54.4313, 48.4034,
7.5416

94.3180, 99.6226,
108.8657

■ 52.5345, 44.9163,
5.9641

■ 52.3802, 44.6271,
5.8531

Harmonies

Analogous

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



78.8078, 71.8166, 47.1856



70.6412, 71.8166, 40.7107



62.4627, 71.8166, 42.5324

Triad

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



70.6412, 71.8166, 40.7107



54.2903, 71.8166, 96.5674



81.7560, 71.8166, 110.6445

Complementary

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



70.6412, 71.8166, 40.7107



49.9052, 51.6595, 100.2695

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.



74.4044, 71.8166, 129.6941



70.6412, 71.8166, 40.7107



58.6971, 71.8166, 120.4734

Square

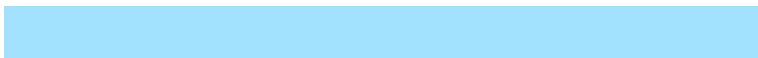
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6412, 71.8166, 40.7107



53.4631, 71.8166, 71.6449



65.9320, 71.8166, 133.6197



85.5613, 71.8166, 85.1349

Rectangle

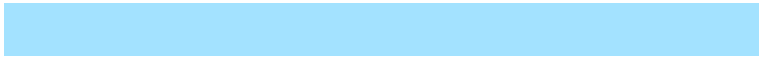
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6412, 71.8166, 40.7107



58.0587, 71.8166, 48.4120



65.9320, 71.8166, 133.6197



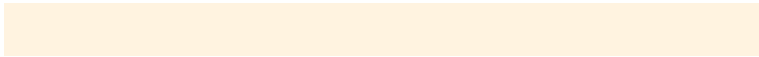
79.5902, 71.8166, 118.2162

Sweetspot

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



70.6430, 71.8200, 40.7122



86.8762, 90.9182, 83.7759



61.7568, 47.8717, 56.7897



18.4174, 19.2584, 17.3987



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.



70.6430, 71.8200, 40.7122



68.4251, 68.6163, 32.6149



77.9549, 91.6562, 44.1556



18.9415, 19.8511, 18.9777



28.0098, 24.0308, 3.1621



2.8330, 2.5514, 0.3431

Inverse Universe

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



49.9052, 51.6595, 100.2695



44.6195, 45.4906, 101.0366



44.5752, 38.0859, 97.9304



17.5745, 18.5206, 22.8985



11.8403, 8.5902, 50.4686



1.2546, 1.0400, 4.9479

Previews

White Background



This preview shows how the XYZ color 70.6412, 71.8166, 40.7107 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 70.6412, 71.8166, 40.7107 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 70.6412, 71.8166, 40.7107

Background



This preview shows how black text looks on a background with the XYZ color 70.6412, 71.8166, 40.7107.



This preview shows how white text looks on a background with the XYZ color 70.6412, 71.8166,

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

70.6412, 71.8166, 40.7107

Protanopia

66.8538, 71.7638, 41.7807

Deuteranopia

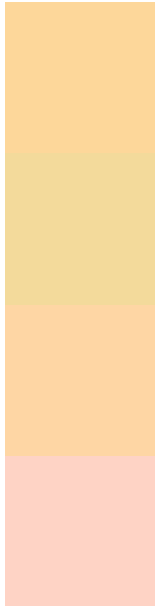
72.2899, 71.7508, 48.0694



Tritanopia

76.9807, 71.6457, 78.8789

Trichromacy



Original Color

70.6412, 71.8166, 40.7107

Protanomaly

67.9499, 71.5641, 41.2422

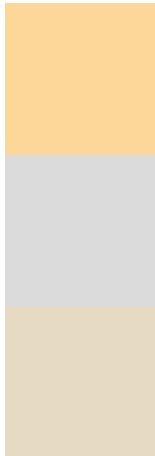
Deuteranomaly

71.6205, 71.8443, 45.2145

Tritanomaly

74.2454, 71.6906, 62.7478

Monochromacy



Original Color

70.6412, 71.8166, 40.7107

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.8767, 71.0719, 61.7705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6412, 71.8166, 40.7107 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(253, 215, 154)` looks like.

```
.text, #text, p{  
    color:rgb(253, 215, 154)  
}
```

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(253, 215, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 215, 154) }
```

Border

The CSS property to change the border of an element to XYZ 70.6412, 71.8166, 40.7107 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(253, 215, 154) }
```


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

```
.border{ border-color:rgb(253, 215, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 215, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 215, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 215, 154);  
box-shadow:4px 4px 4px 4px rgb(253, 215,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6412, 71.8166, 40.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 215, 154) }
```

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

```
.background{ background-color: rgb(253,  
215, 154) }
```

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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