

Converting Colors

XYZ(97.5831, 85.8970, 36.6870)

Have a look what the booklet for
XYZ(97.5831, 85.8970, 36.6870)
contains.

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Color

**XYZ(70.3482, 71.7840,
35.3472)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD78D
RGB	255, 215, 141
RGB Percent	100%, 84%, 55%
CMY	0.0000, 0.1568, 0.4471
CMYK	0.00, 0.16, 0.45, 0.00
HSL	39°, 100%, 78%
HSV	39°, 45%, 100%
XYZ	70.3482, 71.7840, 35.3472
YIQ	218.5240, 47.5940, -14.5340

Conversions

Conversions Part 2

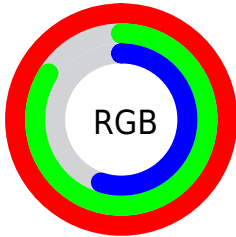
Format	Color
R _Y B	203, 255, 141
Decimal	16766861
CIE Lab	87.86, 4.59, 41.62
CIE LCh	88, 41.874, 83.708
Yxy	71.7840, 0.3964, 0.4045
Android (android.graphics.Color)	4294956941 (0xFFFFD78D)
YUV	218.5240, -38.2193, 31.9895
Hunter-Lab	84.7254, -0.0596, 34.5722

Details

The XYZ color **70.3482, 71.7840, 35.3472** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.5578, 45.9288, 101.0716**, and the grayscale version is **67.2369, 70.7385, 77.0342**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **37.1389, 37.5986, 14.7510** is the 20% darker color. If you saturate the color by 10%, you get **66.4494, 66.6812, 25.7401**, and if you desaturate by 10%, it is **74.8120, 77.3175, 47.2991**.

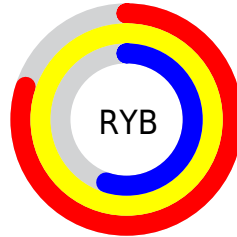
Distribution



Red (100%)

Green (84%)

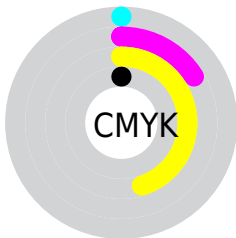
Blue (55%)



Red (80%)

Yellow (100%)

Blue (55%)

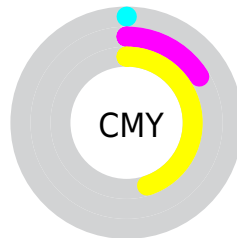


Cyan (0%)

Magenta (16%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3482, 71.7840, 35.3472 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 70.3482, 71.7840, 35.3472 by changing the saturation by 10% instead.


 70.3482, 71.7840,
35.3472


 70.3482, 71.7840,
35.3472


451.0190,
466.7894, 341.0489

 52.0911, 52.9822,
23.6448


 118.7287,
121.7494, 69.1809

 37.3022, 37.7886,
14.8606


 149.5829,
153.6818, 92.1493

 25.6163, 25.8187,
8.5760

185.3667,
190.7599, 119.7101

 16.6680, 16.6880,
4.3727

226.4456,
233.3681, 152.2818

 10.0919, 10.0123,
1.8319

273.1849,
281.8907, 190.2830

 5.5227, 5.4071,
0.4489

325.9500,

 2.5949, 2.4881,

336.7122, 234.1323

0.0000

385.1063,
398.2170, 284.2480

■ 0.9434, 0.8707,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.3482, 71.7840,
35.3472

■ 70.3482, 71.7840,
35.3472

■ 66.4494, 66.6812,
25.7401

■ 74.8120, 77.3175,
47.2991

■ 63.0778, 61.9828,
18.3127

■ 79.8649, 83.2863,
61.7369

■ 60.1990, 57.6744,
12.8852

■ 85.5357, 89.7078,
78.7957

■ 57.7709, 53.7359,
9.2469

■ 91.8498, 96.5949,
98.5994

■ 55.7425, 50.1436, 95.0500, 100.0000,
7.1387 108.9000

■ 54.7926, 48.3653,
6.4476

Harmonies

Analogous

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



80.1991, 71.7840, 41.7735



70.3482, 71.7840, 35.3472



60.8167, 71.7840, 37.9399

Triad

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



70.3482, 71.7840, 35.3472



52.1579, 71.7840, 102.3439



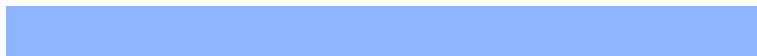
84.8520, 71.7840, 115.3125

Complementary

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



70.3482, 71.7840, 35.3472



45.5578, 45.9288, 101.0716

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.



76.2194, 71.7840, 139.8773



70.3482, 71.7840, 35.3472



57.5126, 71.7840, 131.2058

Square

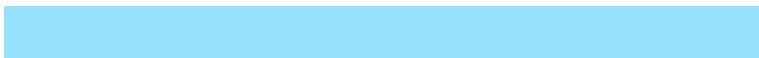
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3482, 71.7840, 35.3472



50.9135, 71.7840, 72.3045



66.1519, 71.7840, 146.3074



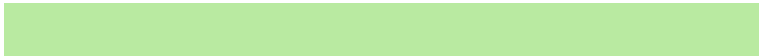
89.0819, 71.7840, 84.3246

Rectangle

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



70.3482, 71.7840, 35.3472



55.8364, 71.7840, 44.8483



66.1519, 71.7840, 146.3074



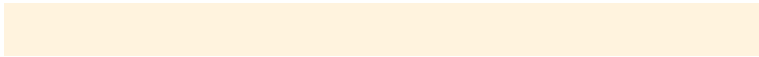
82.3307, 71.7840, 124.8714

Sweetspot

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



70.3500, 71.7874, 35.3487



86.5662, 90.8488, 81.9749



59.2917, 43.7210, 50.0054



18.2440, 19.1298, 16.6684



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.



70.3500, 71.7874, 35.3487



66.7067, 67.0277, 26.3441



76.4352, 91.9334, 38.9165



18.9935, 19.9552, 18.9950



28.7758, 25.5629, 3.4175



2.9044, 2.6943, 0.3670

Inverse Universe

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



45.5578, 45.9288, 101.0716



38.9917, 38.1531, 99.9169



41.3246, 33.3585, 98.8684



17.5242, 18.4201, 22.8818



11.4443, 7.7983, 50.3366



1.2123, 0.9552, 4.9338

Previews

White Background



This preview shows how the XYZ color 70.3482, 71.7840, 35.3472 looks on a white background.

Color Contrast Check

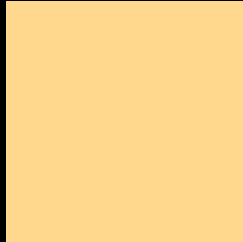
Large Text (above 18pt) WCAG AA × Fail

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 70.3482, 71.7840, 35.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

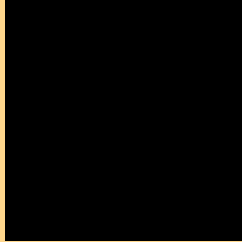
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3482, 71.7840, 35.3472

Background



This preview shows how black text looks on a background with the XYZ color 70.3482, 71.7840, 35.3472.



This preview shows how white text looks on a background with the XYZ color 70.3482, 71.7840,

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

70.3482, 71.7840, 35.3472

Protanopia

66.4863, 71.6948, 36.3209

Deuteranopia

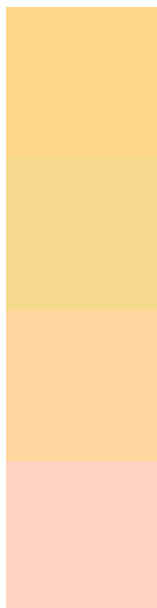
71.9172, 71.6017, 46.1065



Tritanopia

76.8470, 71.5922, 78.1750

Trichromacy



Original Color

70.3482, 71.7840, 35.3472

Protanomaly

67.6101, 71.5083, 35.8302

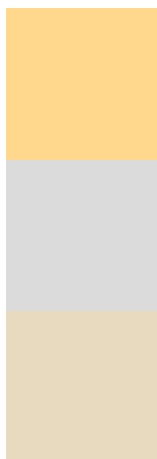
Deuteranomaly

71.3724, 71.7875, 41.9929

Tritanomaly

74.0487, 71.6543, 59.7970

Monochromacy



Original Color

70.3482, 71.7840, 35.3472

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.7541, 71.0602, 59.4352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3482, 71.7840, 35.3472 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, 215, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 141)  
}
```

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, 215, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 141) }
```

Border

The CSS property to change the border of an element to XYZ 70.3482, 71.7840, 35.3472 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, 215, 141) }
```


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

```
.border{ border-color:rgb(255, 215, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 215, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 215, 141); box-shadow:4px 4px 4px 4px rgb(255, 215, 141) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3482, 71.7840, 35.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 141) }
```

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

```
.background{ background-color: rgb(255,  
215, 141) }
```

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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