

Converting Colors

XYZ(113.3205, 94.3328,
37.6707)

Have a look what the booklet for
XYZ(113.3205, 94.3328, 37.6707)
contains.

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Color

**XYZ(70.6784, 72.3247,
35.8261)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD88E
RGB	255, 216, 142
RGB Percent	100%, 85%, 56%
CMY	0.0000, 0.1529, 0.4431
CMYK	0.00, 0.15, 0.44, 0.00
HSL	39°, 100%, 78%
HSV	39°, 44%, 100%
XYZ	70.6784, 72.3247, 35.8261
YIQ	219.2250, 46.9980, -14.7460

Conversions

Conversions Part 2

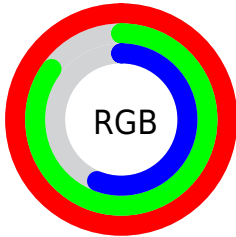
Format	Color
R _Y B	202, 255, 142
Decimal	16767118
CIE Lab	88.12, 4.17, 41.45
CIE LCh	88, 41.662, 84.250
Yxy	72.3247, 0.3952, 0.4044
Android (android.graphics.Color)	4294957198 (0xFFFFD88E)
YUV	219.2250, -38.0719, 31.3747
Hunter-Lab	85.0439, -0.4789, 34.5539

Details

The XYZ color **70.6784, 72.3247, 35.8261** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.7288, 46.0170, 101.0798**, and the grayscale version is **67.7229, 71.2498, 77.5910**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **37.3553, 37.9637, 15.0317** is the 20% darker color. If you saturate the color by 10%, you get **66.7847, 67.2586, 26.1389**, and if you desaturate by 10%, it is **75.1344, 77.8143, 47.8628**.

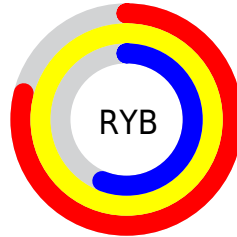
Distribution



Red (100%)

Green (85%)

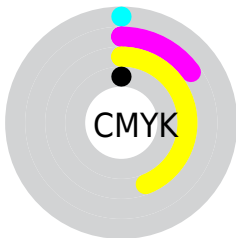
Blue (56%)



Red (79%)

Yellow (100%)

Blue (56%)

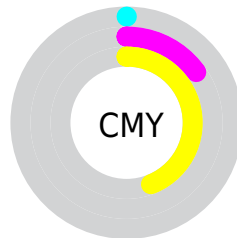


Cyan (0%)

Magenta (15%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6784, 72.3247, 35.8261 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 70.6784, 72.3247, 35.8261 by changing the saturation by 10% instead.


 70.6784, 72.3247,
35.8261


 70.6784, 72.3247,
35.8261


452.1578,
468.6710, 343.2142

 52.3614, 53.4240,
24.0113


 119.1967,
122.5181, 69.9296

 37.5186, 38.1413,
15.1297


 150.1287,
154.5795, 93.0554

 25.7848, 26.0924,
8.7628


185.9964,
191.7965, 120.7885

 16.7946, 16.8928,
4.4921

227.1651,
234.5537, 153.5476

 10.1825, 10.1581,
1.8990

274.0003,
283.2353, 191.7512

 5.5833, 5.5039,
0.4921

326.8672,

 2.6317, 2.5458,

338.2258, 235.8178

0.0000

386.1312,
399.9096, 286.1660

■ 0.9621, 0.8995,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6784, 72.3247,
35.8261

■ 70.6784, 72.3247,
35.8261

■ 66.7847, 67.2586,
26.1389

■ 75.1344, 77.8143,
47.8628

■ 63.4157, 62.5900,
18.6368

■ 80.1766, 83.7317,
62.3895

■ 60.5373, 58.3047,
13.1409

■ 85.8336, 90.0941,
79.5408

■ 58.1079, 54.3829,
9.4420

■ 92.1307, 96.9142,
99.4403

■ 56.0768, 50.8013, 95.0500, 100.0000,
7.2836 108.9000

■ 55.0594, 48.8989,
6.5365

Harmonies

Analogous

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



80.5446, 72.3247, 42.1089



70.6784, 72.3247, 35.8261



61.1760, 72.3247, 38.5927

Triad

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



70.6784, 72.3247, 35.8261



52.7239, 72.3247, 103.4810



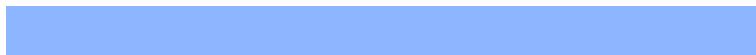
85.4784, 72.3247, 115.3203

Complementary

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



70.6784, 72.3247, 35.8261



45.7288, 46.0170, 101.0798

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.



76.9084, 72.3247, 140.0595



70.6784, 72.3247, 35.8261



58.1535, 72.3247, 132.1496

Square

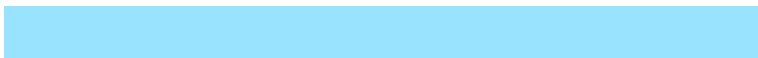
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6784, 72.3247, 35.8261



51.4005, 72.3247, 73.3829



66.8422, 72.3247, 146.8630



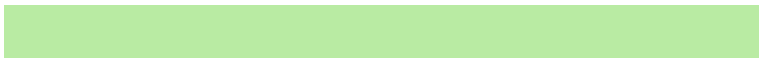
89.6027, 72.3247, 84.3712

Rectangle

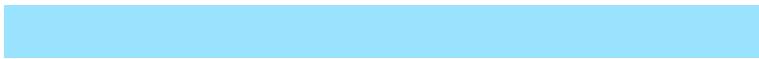
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6784, 72.3247, 35.8261



56.2311, 72.3247, 45.6442



66.8422, 72.3247, 146.8630



82.9843, 72.3247, 124.9105

Sweetspot

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



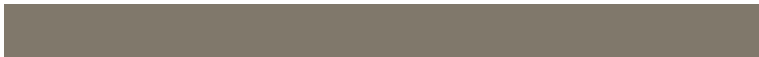
70.6802, 72.3281, 35.8276



86.6233, 90.9631, 81.9940



59.3105, 43.9656, 49.3735



18.2581, 19.1581, 16.6731



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.



70.6802, 72.3281, 35.8276



67.2653, 67.9009, 27.2825



75.9195, 91.6589, 39.2827



19.0026, 19.9734, 18.9980



28.9145, 25.8402, 3.4637



2.9173, 2.7199, 0.3712

Inverse Universe

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



45.7288, 46.0170, 101.0798



39.5000, 38.6525, 99.9866



42.0119, 33.9327, 98.9431



17.5155, 18.4026, 22.8788



11.3796, 7.6687, 50.3150



1.2052, 0.9411, 4.9314

Previews

White Background



This preview shows how the XYZ color 70.6784, 72.3247, 35.8261 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 70.6784, 72.3247, 35.8261 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 70.6784, 72.3247, 35.8261

Background



This preview shows how black text looks on a background with the XYZ color 70.6784, 72.3247, 35.8261.



This preview shows how white text looks on a background with the XYZ color 70.6784, 72.3247,

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

70.6784, 72.3247, 35.8261

Protanopia

66.8257, 72.2518, 36.8095

Deuteranopia

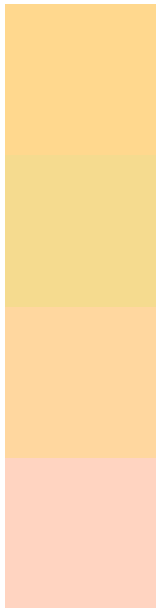
72.4480, 72.2177, 47.6571



Tritanopia

77.2253, 72.1349, 78.9604

Trichromacy



Original Color

70.6784, 72.3247, 35.8261

Protanomaly

67.9456, 72.0587, 36.3142

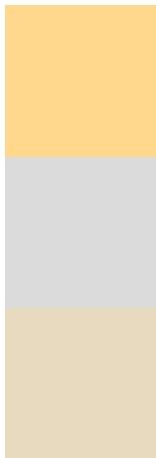
Deuteranomaly

71.7984, 72.3641, 42.9844

Tritanomaly

74.4091, 72.1972, 60.4658

Monochromacy



Original Color

70.6784, 72.3247, 35.8261

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 70.6784, 72.3247, 35.8261 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, 216, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 142)  
}
```

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, 216, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 142) }
```

Border

The CSS property to change the border of an element to XYZ 70.6784, 72.3247, 35.8261 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, 216, 142) }
```


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

```
.border{ border-color:rgb(255, 216, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6784, 72.3247, 35.8261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 142) }
```

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

```
.background{ background-color: rgb(255,  
216, 142) }
```

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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