

Converting Colors

XYZ(72.1977, 73.2522, 33.4219)

Have a look what the booklet for
XYZ(72.1977, 73.2522, 33.4219)
contains.

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Color

**XYZ(70.1690, 72.1210,
33.1441)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD887
RGB	255, 216, 135
RGB Percent	100%, 85%, 53%
CMY	0.0000, 0.1529, 0.4706
CMYK	0.00, 0.15, 0.47, 0.00
HSL	41°, 100%, 76%
HSV	41°, 47%, 100%
XYZ	70.1690, 72.1210, 33.1441
YIQ	218.4270, 49.2450, -16.9230

Conversions

Conversions Part 2

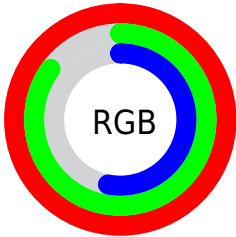
Format	Color
RYB	193, 255, 135
Decimal	16767111
CIELab	88.03, 3.51, 44.82
CIELCh	88, 44.955, 85.528
Yxy	72.1210, 0.4000, 0.4111
Android (android.graphics.Color)	4294957191 (0xFFFFD887)
YUV	218.4270, -41.1295, 32.0745
Hunter-Lab	84.9241, -1.1305, 36.3072

Details

The XYZ color **70.1690, 72.1210, 33.1441** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.1771, 42.6413, 100.5623**, and the grayscale version is **67.1884, 70.6874, 76.9786**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **37.0712, 37.8500, 13.5355** is the 20% darker color. If you saturate the color by 10%, you get **66.5151, 67.3505, 24.1044**, and if you desaturate by 10%, it is **74.3635, 77.2845, 44.4866**.

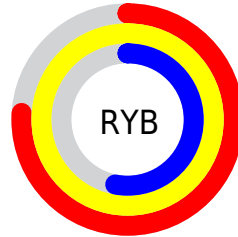
Distribution



Red (100%)

Green (85%)

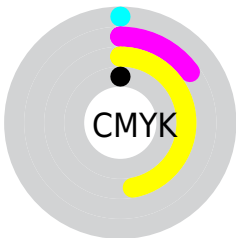
Blue (53%)



Red (76%)

Yellow (100%)

Blue (53%)

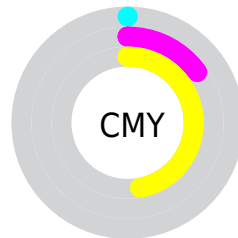


Cyan (0%)

Magenta (15%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.1690, 72.1210, 33.1441 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 70.1690, 72.1210, 33.1441 by changing the saturation by 10% instead.


 70.1690, 72.1210,
33.1441

 70.1690, 72.1210,
33.1441


450.4003,
467.9626, 330.9505


 51.9444, 53.2575,
21.9648


 118.4747,
122.2285, 65.7190

 37.1849, 38.0084,
13.6330


 149.2865,
154.2414, 87.9518

 25.5250, 25.9892,
7.7300


 185.0248,
191.4062, 114.7061

 16.5994, 16.8156,
3.8374

226.0548,
234.1073, 146.4006

 10.0428, 10.1031,
1.5366

272.7421,
282.7291, 183.4537

 5.4899, 5.4674,
0.2450

325.4518,

 2.5751, 2.5240,

337.6560, 226.2840

0.0000

384.5495,
399.2724, 275.3101

■ 0.9333, 0.8886,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.1690, 72.1210,
33.1441

■ 70.1690, 72.1210,
33.1441

■ 66.5151, 67.3505,
24.1044

■ 74.3635, 77.2845,
44.4866

■ 63.3637, 62.9471,
17.1984

■ 79.1229, 82.8449,
58.2761

■ 60.6795, 58.8968,
12.2404

■ 84.4762, 88.8191,
74.6501

■ 58.4194, 55.1798,
9.0108

■ 90.4487, 95.2194,
93.7345

■ 56.5285, 51.7714,
7.2290

95.0498, 99.9999,
108.9000

■ 56.0186, 50.8175,
6.8563

Harmonies

Analogous

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



80.8934, 72.1210, 39.2140



70.1690, 72.1210, 33.1441



60.0418, 72.1210, 36.3869

Triad

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



70.1690, 72.1210, 33.1441



51.5762, 72.1210, 106.8223



86.9900, 72.1210, 116.9144

Complementary

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



70.1690, 72.1210, 33.1441



43.1771, 42.6413, 100.5623

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.



77.8237, 72.1210, 144.7712



70.1690, 72.1210, 33.1441



57.5288, 72.1210, 137.9588

Square

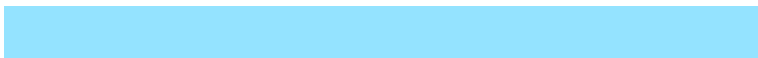
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1690, 72.1210, 33.1441



49.9798, 72.1210, 74.0130



66.9538, 72.1210, 153.3315



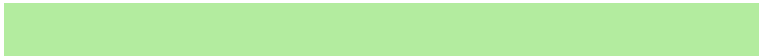
91.2270, 72.1210, 83.2220

Rectangle

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



70.1690, 72.1210, 33.1441



54.8635, 72.1210, 43.9994



66.9538, 72.1210, 153.3315



84.3394, 72.1210, 127.5831

Sweetspot

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



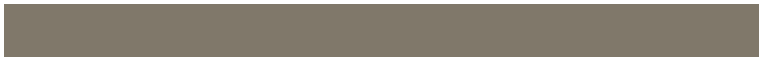
70.1708, 72.1244, 33.1456



86.2360, 90.7308, 80.1928



57.6422, 41.6837, 45.5659



18.1910, 19.1306, 16.3218



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.



70.1708, 72.1244, 33.1456



66.8776, 67.8379, 24.9569



74.3942, 90.9312, 36.5530



19.0345, 20.0372, 19.0087



29.4127, 26.8366, 3.6298



2.9633, 2.8119, 0.3866

Inverse Universe

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



43.1771, 42.6413, 100.5623



37.0875, 35.3377, 99.4739



40.2322, 31.5173, 98.5704



17.4849, 18.3415, 22.8687



11.1621, 7.2338, 50.2425



1.1813, 0.8933, 4.9234

Previews

White Background



This preview shows how the XYZ color 70.1690, 72.1210, 33.1441 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 70.1690, 72.1210, 33.1441 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 70.1690, 72.1210, 33.1441

Background



This preview shows how black text looks on a background with the XYZ color 70.1690, 72.1210, 33.1441.



This preview shows how white text looks on a background with the XYZ color 70.1690, 72.1210,

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

70.1690, 72.1210, 33.1441

Protanopia

66.6474, 72.2198, 34.0940

Deuteranopia

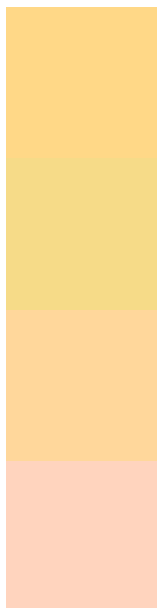
72.1695, 72.1063, 46.1906



Tritanopia

77.0916, 72.0814, 78.2565

Trichromacy



Original Color

70.1690, 72.1210, 33.1441

Protanomaly

67.7815, 72.0334, 33.6239

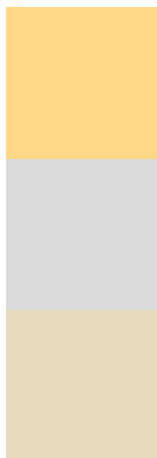
Deuteranomaly

71.4568, 72.2274, 41.1855

Tritanomaly

74.0777, 72.0647, 58.7208

Monochromacy



Original Color

70.1690, 72.1210, 33.1441

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.8450, 70.2455, 57.6126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1690, 72.1210, 33.1441 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 135) }
```

Border

The CSS property to change the border of an element to XYZ 70.1690, 72.1210, 33.1441 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, 135) }
```


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

```
.border{ border-color:rgb(255, 216, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1690, 72.1210, 33.1441 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, 135) }
```

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

```
.background{ background-color: rgb(255,  
216, 135) }
```

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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