

Converting Colors

XYZ(121.8529, 100.0000,
32.1722)

Have a look what the booklet for
XYZ(121.8529, 100.0000, 32.1722)
contains.

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Color

**XYZ(70.2732, 73.4037,
29.8666)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB7D
RGB	255, 219, 125
RGB Percent	100%, 86%, 49%
CMY	0.0000, 0.1412, 0.5098
CMYK	0.00, 0.14, 0.51, 0.00
HSL	43°, 100%, 75%
HSV	43°, 51%, 100%
XYZ	70.2732, 73.4037, 29.8666
YIQ	219.0480, 51.6300, -21.6020

Conversions

Conversions Part 2

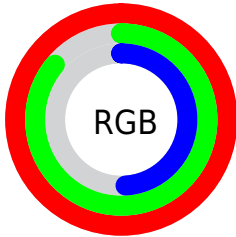
Format	Color
RYB	175, 255, 125
Decimal	16767869
CIELab	88.64, 1.09, 50.46
CIELCh	89, 50.477, 88.767
Yxy	73.4037, 0.4049, 0.4230
Android (android.graphics.Color)	4294957949 (0xFFFFDB7D)
YUV	219.0480, -46.3657, 31.5299
Hunter-Lab	85.6760, -3.5235, 39.3047

Details

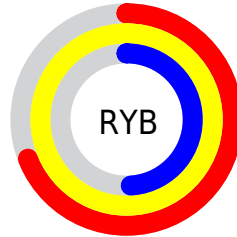
The XYZ color **70.2732, 73.4037, 29.8666** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.2519, 37.0684, 99.6936**, and the grayscale version is **67.6534, 71.1767, 77.5114**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **37.2430, 38.7677, 11.8233** is the 20% darker color. If you saturate the color by 10%, you get **67.0462, 69.2306, 21.7599**, and if you desaturate by 10%, it is **74.0000, 77.9073, 40.2043**.

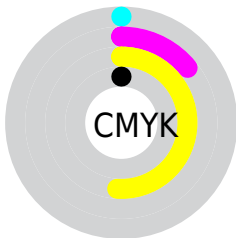
Distribution



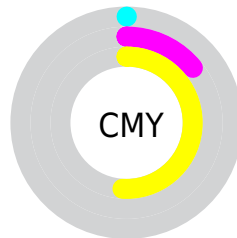
- Red (100%)
- Green (86%)
- Blue (49%)



- Red (69%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (14%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2732, 73.4037, 29.8666 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 70.2732, 73.4037, 29.8666 by changing the saturation by 10% instead.


 70.2732, 73.4037,
29.8666

 70.2732, 73.4037,
29.8666


450.7601,
472.4128, 315.4701


 52.0297, 54.3061,
19.4862


 118.6224,
124.0501, 60.5097

 37.2531, 38.8465,
11.8417


 149.4588,
156.3678, 81.6094

 25.5781, 26.6403,
6.5148

 185.2236,
193.8610, 107.1192

 16.6393, 17.3033,
3.0867

226.2821,
236.9140, 137.4578

 10.0714, 10.4509,
1.1391

272.9996,
285.9113, 173.0437

 5.5089, 5.6990,
0.0000

325.7416,

 2.5866, 2.6629,

341.2373, 214.2953

0.0000

384.8733,
403.2763, 261.6312

■ 0.9392, 0.9584,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2732, 73.4037,
29.8666

■ 70.2732, 73.4037,
29.8666

■ 67.0462, 69.2306,
21.7599

■ 74.0000, 77.9073,
40.2043

■ 64.2801, 65.3625,
15.7074

■ 78.2516, 82.7446,
52.9227

■ 61.9381, 61.7860,
11.5124

■ 83.0571, 87.9314,
68.1638

■ 59.9742, 58.4811,
8.9378

■ 88.4420, 93.4794,
86.0569

■ 58.4628, 55.7058,
7.6710

94.4301, 99.3996,
106.7226

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



82.6321, 73.4037, 35.1911



70.2732, 73.4037, 29.8666



59.0915, 73.4037, 34.3623

Triad

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



70.2732, 73.4037, 29.8666



51.1835, 73.4037, 116.7506



91.7748, 73.4037, 119.9987

Complementary

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



70.2732, 73.4037, 29.8666



39.2519, 37.0684, 99.6936

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.



81.6588, 73.4037, 154.3300



70.2732, 73.4037, 29.8666



58.3135, 73.4037, 152.1027

Square

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



70.2732, 73.4037, 29.8666



48.8721, 73.4037, 78.4895



69.2653, 73.4037, 167.5023



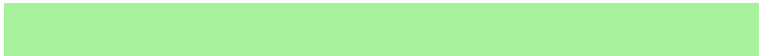
95.9044, 73.4037, 81.3762

Rectangle

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



70.2732, 73.4037, 29.8666



53.5934, 73.4037, 43.3604



69.2653, 73.4037, 167.5023



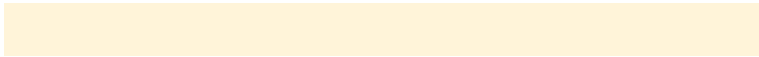
88.9078, 73.4037, 132.7959

Sweetspot

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



70.2750, 73.4072, 29.8681



86.2059, 91.2048, 78.5360



55.0808, 38.5306, 38.6398



18.2089, 19.2714, 16.0037



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.



70.2750, 73.4072, 29.8681



67.0402, 69.2224, 21.7454



71.0878, 89.3044, 32.8937



19.1111, 20.1903, 19.0342



30.6800, 29.3712, 4.0522



3.0790, 3.0434, 0.4251

Inverse Universe

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



39.2519, 37.0684, 99.6936



32.9952, 29.3986, 98.5432



38.5527, 28.6767, 98.1106



17.4123, 18.1962, 22.8444



10.7025, 6.3145, 50.0893



1.1290, 0.7887, 4.9060

Previews

White Background



This preview shows how the XYZ color 70.2732, 73.4037, 29.8666 looks on a white background.

Color Contrast Check

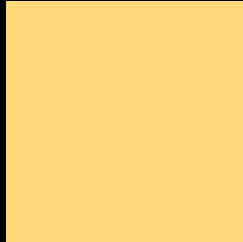
Large Text (above 18pt) WCAG AA × Fail

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 70.2732, 73.4037, 29.8666 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 70.2732, 73.4037, 29.8666

Background



This preview shows how black text looks on a background with the XYZ color 70.2732, 73.4037, 29.8666.



This preview shows how white text looks on a background with the XYZ color 70.2732, 73.4037,

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

70.2732, 73.4037, 29.8666

Protanopia

67.4618, 73.5148, 30.3728

Deuteranopia

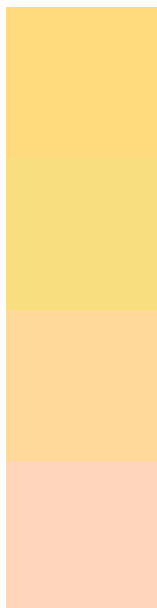
72.9573, 73.2363, 47.8269



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

70.2732, 73.4037, 29.8666

Protanomaly

68.5986, 73.7054, 30.3497

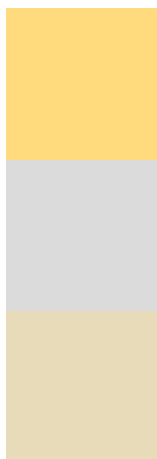
Deuteranomaly

71.8026, 73.1856, 40.4788

Tritanomaly

74.2562, 72.9410, 57.1790

Monochromacy



Original Color

70.2732, 73.4037, 29.8666

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3672, 71.3216, 56.1148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2732, 73.4037, 29.8666 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, 219, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 125)  
}
```

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, 219, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 125) }
```

Border

The CSS property to change the border of an element to XYZ 70.2732, 73.4037, 29.8666 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, 219, 125) }
```


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

```
.border{ border-color:rgb(255, 219, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2732, 73.4037, 29.8666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 125) }
```

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

```
.background{ background-color: rgb(255,  
219, 125) }
```

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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