

Converting Colors

XYZ(75.0337, 82.9124, 31.4912)

Have a look what the booklet for
XYZ(75.0337, 82.9124, 31.4912)
contains.

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Color

**XYZ(74.9371, 82.7316,
31.4212)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC7D
RGB	255, 236, 125
RGB Percent	100%, 93%, 49%
CMY	0.0000, 0.0745, 0.5098
CMYK	0.00, 0.07, 0.51, 0.00
HSL	51°, 100%, 75%
HSV	51°, 51%, 100%
XYZ	74.9371, 82.7316, 31.4212
YIQ	229.0270, 46.9550, -30.4930

Conversions

Conversions Part 2

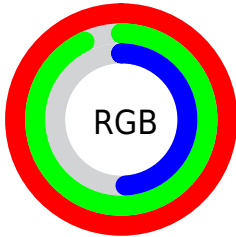
Format	Color
RYB	147, 255, 125
Decimal	16772221
CIELab	92.90, -7.47, 55.59
CIElCh	93, 56.088, 97.658
Yxy	82.7316, 0.3963, 0.4375
Android (android.graphics.Color)	4294962301 (0xFFFFEC7D)
YUV	229.0270, -51.2853, 22.7783
Hunter-Lab	90.9569, -12.1130, 43.1880

Details

The XYZ color **74.9371, 82.7316, 31.4212** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.4804, 31.5254, 98.7696**, and the grayscale version is **74.8392, 78.7367, 85.7443**.

A 20% lighter version of the original color is **85.2382, 96.0753, 57.2319**, and **40.2559, 44.8462, 12.6654** is the 20% darker color. If you saturate the color by 10%, you get **72.4519, 80.0421, 23.5619**, and if you desaturate by 10%, it is **77.8668, 85.6409, 41.4933**.

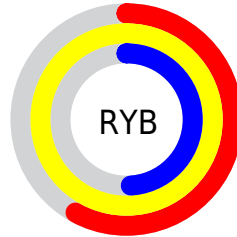
Distribution



Red (100%)

Green (93%)

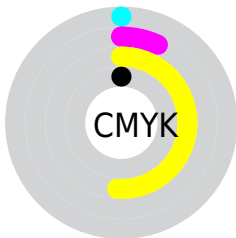
Blue (49%)



Red (58%)

Yellow (100%)

Blue (49%)

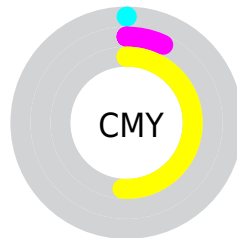


Cyan (0%)

Magenta (7%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9371, 82.7316, 31.4212 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 74.9371, 82.7316, 31.4212 by changing the saturation by 10% instead.


 74.9371, 82.7316,
31.4212

 74.9371, 82.7316,
31.4212


466.7019,
504.0916, 322.8852


 55.8554, 61.9688,
20.6586


 125.2117,
137.1995, 62.9899

 40.3235, 45.0075,
12.6859


 157.1353,
171.6733, 84.6332

 27.9762, 31.4633,
7.0844


 194.0702,
211.4863, 110.7404

 18.4481, 20.9519,
3.4357

236.3817,
257.0227, 141.7302

 11.3738, 13.0888,
1.3212

284.4353,
308.6671, 178.0210

 6.3880, 7.4898,
0.0791

338.5963,

 3.1253, 3.7702,

366.8038, 220.0314

0.0000

399.2300,
431.8171, 268.1800

■ 1.2204, 1.5459,
0.0000

■ 0.1224, 0.3207,
0.0000

■ 74.9371, 82.7316,
31.4212

■ 74.9371, 82.7316,
31.4212

■ 72.4519, 80.0421,
23.5619

■ 77.8668, 85.6409,
41.4933

■ 70.3724, 77.5474,
17.7382

■ 81.2644, 88.7702,
53.9271

■ 68.6630, 75.2360,
13.7541

■ 85.1586, 92.1345,
68.8644

■ 67.2785, 73.0898,
11.3726

■ 89.5741, 95.7437,
86.4344

■ 66.2448, 71.2698,
10.2650

94.5339, 99.6073,
106.7574

95.0498, 99.9999,
108.9000

Harmonies

Analogous

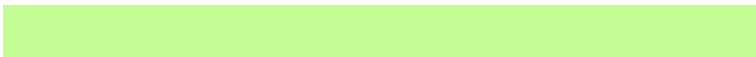
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8436, 82.7316, 34.1425



74.9371, 82.7316, 31.4212



62.6389, 82.7316, 40.0923

Triad

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



74.9371, 82.7316, 31.4212



58.3622, 82.7316, 148.9514



107.6942, 82.7316, 124.3861

Complementary

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



74.9371, 82.7316, 31.4212



36.4804, 31.5254, 98.7696

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.



97.1434, 82.7316, 170.2992



74.9371, 82.7316, 31.4212



68.3977, 82.7316, 187.2823

Square

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



74.9371, 82.7316, 31.4212



53.8746, 82.7316, 101.2723



82.4503, 82.7316, 196.1170



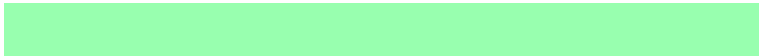
110.0103, 82.7316, 79.7455

Rectangle

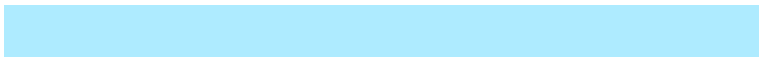
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9371, 82.7316, 31.4212



57.1417, 82.7316, 53.4265



82.4503, 82.7316, 196.1170



104.9348, 82.7316, 140.5391

Sweetspot

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



74.9391, 82.7355, 31.4229



87.7349, 94.2629, 79.0457



53.6464, 37.9569, 31.0863



18.5799, 20.0134, 16.1274



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

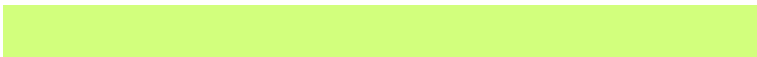
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9391, 82.7355, 31.4229



72.4475, 80.0370, 23.5478



65.8981, 86.6289, 32.6509



19.3217, 20.6117, 19.1044



34.7007, 37.4127, 5.3925



3.4377, 3.7607, 0.5447

Inverse Universe

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



36.4804, 31.5254, 98.7696



30.2261, 23.8604, 97.6202



42.0702, 30.4901, 98.2751



17.2171, 17.8058, 22.7794



9.8454, 4.6004, 49.8036



1.0194, 0.5695, 4.8695

Previews

White Background



This preview shows how the XYZ color 74.9371, 82.7316, 31.4212 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 74.9371, 82.7316, 31.4212 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 74.9371, 82.7316, 31.4212

Background



This preview shows how black text looks on a background with the XYZ color 74.9371, 82.7316, 31.4212.



This preview shows how white text looks on a background with the XYZ color 74.9371, 82.7316,

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

74.9371, 82.7316, 31.4212

Protanopia

76.2936, 82.8148, 39.9807

Deuteranopia

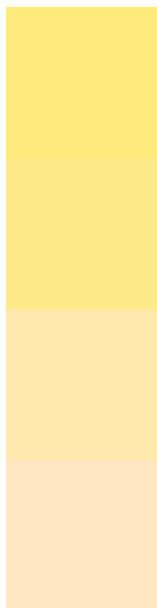
80.7150, 82.7715, 68.8491



Tritanopia

84.1417, 82.3712, 92.3534

Trichromacy



Original Color

74.9371, 82.7316, 31.4212

Protanomaly

75.6820, 82.5701, 36.7597

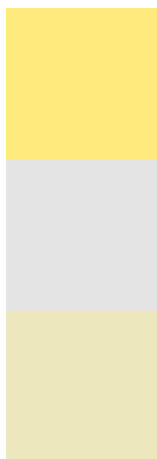
Deuteranomaly

78.1168, 82.6330, 52.3900

Tritanomaly

79.6149, 81.8848, 64.4325

Monochromacy



Original Color

74.9371, 82.7316, 31.4212

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5205, 79.6520, 60.7896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9371, 82.7316, 31.4212 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, 236, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 125) }
```

Border

The CSS property to change the border of an element to XYZ 74.9371, 82.7316, 31.4212 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, 236, 125) }
```


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

```
.border{ border-color:rgb(255, 236, 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, 236, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9371, 82.7316, 31.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 125) }
```

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

```
.background{ background-color: rgb(255,  
236, 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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