

Converting Colors

XYZ(109.3073, 100.0000,
31.9193)

Have a look what the booklet for
XYZ(109.3073, 100.0000, 31.9193)
contains.

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Color

**XYZ(74.4612, 82.0818,
30.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB7A
RGB	255, 235, 122
RGB Percent	100%, 92%, 48%
CMY	0.0000, 0.0784, 0.5216
CMYK	0.00, 0.08, 0.52, 0.00
HSL	51°, 100%, 74%
HSV	51°, 52%, 100%
XYZ	74.4612, 82.0818, 30.3312
YIQ	228.0980, 48.1930, -30.9030

Conversions

Conversions Part 2

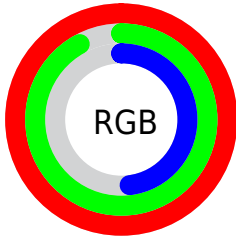
Format	Color
R _Y B	146, 255, 122
Decimal	16771962
CIE Lab	92.61, -7.22, 56.64
CIE LCh	93, 57.100, 97.266
Yxy	82.0818, 0.3985, 0.4392
Android (android.graphics.Color)	4294962042 (0xFFFFE7A)
YUV	228.0980, -52.3063, 23.5931
Hunter-Lab	90.5990, -11.8433, 43.5699

Details

The XYZ color **74.4612, 82.0818, 30.3312** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.7489, 30.7026, 98.6495**, and the grayscale version is **74.1625, 78.0247, 84.9689**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **39.9592, 44.4056, 12.0953** is the 20% darker color. If you saturate the color by 10%, you get **71.9989, 79.3627, 22.7120**, and if you desaturate by 10%, it is **77.3656, 85.0217, 40.1445**.

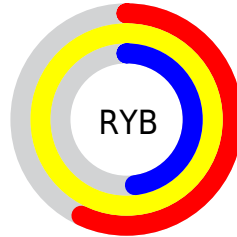
Distribution



Red (100%)

Green (92%)

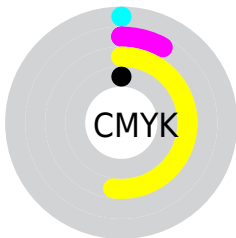
Blue (48%)



Red (57%)

Yellow (100%)

Blue (48%)

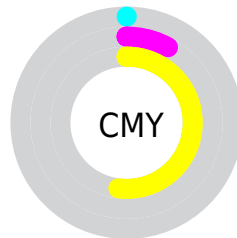


Cyan (0%)

Magenta (8%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.4612, 82.0818, 30.3312 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 74.4612, 82.0818, 30.3312 by changing the saturation by 10% instead.


 74.4612, 82.0818,
30.3312


 74.4612, 82.0818,
30.3312


465.0894,
501.9213, 317.7004


 55.4642, 61.4330,
19.8359


 124.5414,
136.2887, 61.2527

 40.0088, 44.5747,
12.0929


 156.3553,
170.6156, 82.5161

 27.7297, 31.1225,
6.6837


 193.1722,
210.2706, 108.2059

 18.2614, 20.6922,
3.1897

235.3574,
255.6381, 138.7407

 11.2386, 12.8992,
1.1923

283.2764,
307.1025, 174.5390

 6.2961, 7.3592,
0.0000

337.2945,

 3.0683, 3.6877,

365.0483, 216.0194

0.0000

397.7771,
429.8597, 263.6003

■ 1.1900, 1.5005,
0.0000

■ 0.0984, 0.2890,
0.0000

■ 74.4612, 82.0818,
30.3312

■ 74.4612, 82.0818,
30.3312

■ 71.9989, 79.3627,
22.7120

■ 77.3656, 85.0217,
40.1445

■ 69.9395, 76.8393,
17.1070

■ 80.7359, 88.1830,
52.3025

■ 68.2465, 74.4998,
13.3167

■ 84.6012, 91.5806,
66.9487

■ 66.8737, 72.3255,
11.0976

■ 88.9862, 95.2246,
84.2133

■ 65.9668, 70.7138,
10.1723

■ 93.9142, 99.1246,
104.2176

■ 95.0499, 99.9999,
108.9000

Harmonies

Analogous

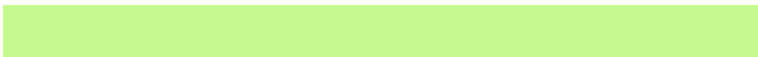
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5764, 82.0818, 33.1873



74.4612, 82.0818, 30.3312



61.9760, 82.0818, 38.8211

Triad

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



74.4612, 82.0818, 30.3312



57.4318, 82.0818, 148.5803



107.4180, 82.0818, 124.8370

Complementary

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



74.4612, 82.0818, 30.3312



35.7489, 30.7026, 98.6495

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.



96.6098, 82.0818, 171.5027



74.4612, 82.0818, 30.3312



67.4962, 82.0818, 187.9709

Square

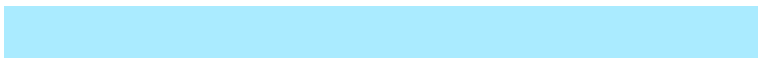
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4612, 82.0818, 30.3312



52.9868, 82.0818, 100.1172



81.6828, 82.0818, 197.4756



109.8980, 82.0818, 79.4266

Rectangle

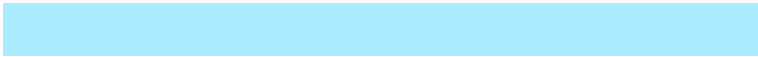
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4612, 82.0818, 30.3312



56.3826, 82.0818, 52.0534



81.6828, 82.0818, 197.4756



104.5774, 82.0818, 141.2713

Sweetspot

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



74.4632, 82.0856, 30.3329



87.2376, 93.7942, 77.2585



53.2468, 37.1986, 30.8271



18.4790, 19.9151, 15.7745



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.



74.4632, 82.0856, 30.3329



71.8101, 79.1423, 22.1634



66.0417, 86.7248, 31.6722



19.3149, 20.5979, 19.1021



34.5574, 37.1260, 5.3447



3.4251, 3.7355, 0.5405

Inverse Universe

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



35.7489, 30.7026, 98.6495



29.2395, 22.6932, 97.4469



40.8062, 29.2831, 98.1089



17.2234, 17.8183, 22.7815



9.8648, 4.6391, 49.8101



1.0223, 0.5754, 4.8704

Previews

White Background



This preview shows how the XYZ color 74.4612, 82.0818, 30.3312 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 74.4612, 82.0818, 30.3312 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 74.4612, 82.0818, 30.3312

Background



This preview shows how black text looks on a background with the XYZ color 74.4612, 82.0818, 30.3312.



This preview shows how white text looks on a background with the XYZ color 74.4612, 82.0818,

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

74.4612, 82.0818, 30.3312

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

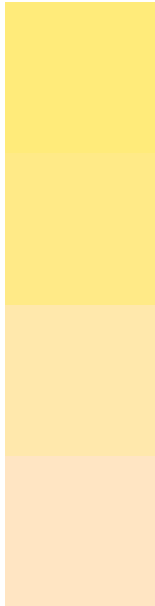
80.0794, 82.0707, 66.8789



Tritanopia

83.7224, 81.7671, 91.4908

Trichromacy



Original Color

74.4612, 82.0818, 30.3312

Protanomaly

75.0360, 81.8549, 34.7664

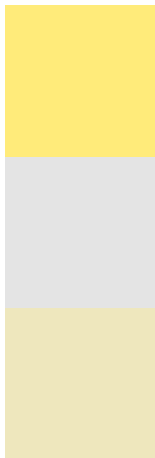
Deuteranomaly

77.5430, 81.9518, 50.7610

Tritanomaly

79.1096, 81.2388, 63.1409

Monochromacy



Original Color

74.4612, 82.0818, 30.3312

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.0211, 79.0031, 59.5446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.4612, 82.0818, 30.3312 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, 235, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 122)  
}
```

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, 235, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 122) }
```

Border

The CSS property to change the border of an element to XYZ 74.4612, 82.0818, 30.3312 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, 235, 122) }
```


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

```
.border{ border-color:rgb(255, 235, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 74.4612, 82.0818, 30.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 122) }
```

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

```
.background{ background-color: rgb(255,  
235, 122) }
```

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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