

# Converting Colors

XYZ(74.7459, 79.9612, 42.5799)

Have a look what the booklet for  
XYZ(74.7459, 79.9612, 42.5799)  
contains.

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# Color

**XYZ(74.7212, 79.8428,  
42.4833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE69B
RGB	253, 230, 155
RGB Percent	99%, 90%, 61%
CMY	0.0078, 0.0980, 0.3921
CMYK	0.00, 0.09, 0.39, 0.01
HSL	46°, 96%, 80%
HSV	46°, 39%, 99%
XYZ	74.7212, 79.8428, 42.4833
YIQ	228.3270, 37.7830, -18.4490

# Conversions

## Conversions Part 2

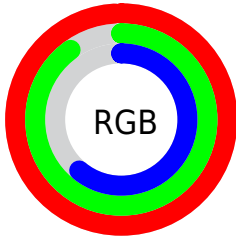
Format	Color
R <sub>Y</sub> B	185, 253, 155
Decimal	16639643
CIE Lab	91.61, -2.39, 39.40
CIE LCh	92, 39.470, 93.471
Yxy	79.8428, 0.3792, 0.4052
Android (android.graphics.Color)	4294829723 (0xFFFDE69B)
YUV	228.3270, -36.1502, 21.6382
Hunter-Lab	89.3548, -7.1038, 34.3592

# Details

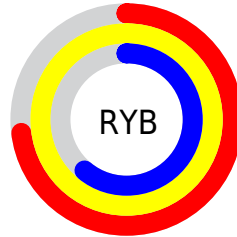
The XYZ color **74.7212, 79.8428, 42.4833** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.1672, 45.8998, 99.3020**, and the grayscale version is **74.2211, 78.0863, 85.0360**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **40.2838, 43.2413, 19.0552** is the 20% darker color. If you saturate the color by 10%, you get **71.1918, 75.8354, 31.9000**, and if you desaturate by 10%, it is **78.7560, 84.1481, 55.4330**.

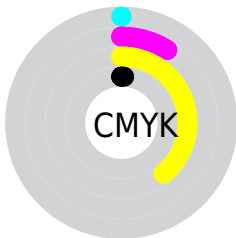
# Distribution



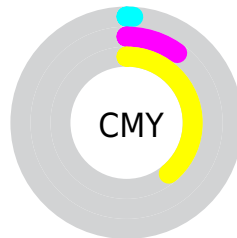
- Red (99%)
- Green (90%)
- Blue (61%)



- Red (73%)
- Yellow (99%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (39%)
- Black (1%)




- Cyan (1%)
- Magenta (10%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7212, 79.8428, 42.4833 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 74.7212, 79.8428, 42.4833 by changing the saturation by 10% instead.




 74.7212, 79.8428,  
42.4833


 74.7212, 79.8428,  
42.4833


465.9707,  
494.4029, 372.3411

 55.6779, 59.5890,  
29.1515


 124.9077,  
133.1447, 80.2085

 40.1807, 43.0874,  
18.9489


 156.7815,  
166.9616, 105.4391

 27.8643, 29.9537,  
11.4569

193.6629,  
206.0683, 135.4729

 18.3633, 19.8035,  
6.2570

235.9172,  
250.8492, 170.7287

 11.3124, 12.2523,  
2.9307

283.9098,  
301.6887, 211.6248

 6.3462, 6.9157,  
1.0594

338.0060,

 3.0994, 3.4095,

358.9713, 258.5799

0.0000

398.5712,  
423.0812, 312.0125

■ 1.2065, 1.3490,  
0.0000

■ 0.1115, 0.1787,  
0.0000

■ 74.7212, 79.8428,  
42.4833

■ 74.7212, 79.8428,  
42.4833

■ 71.1918, 75.8354,  
31.9000

■ 78.7560, 84.1481,  
55.4330

■ 68.1333, 72.1026,  
23.5303

■ 83.3164, 88.7517,  
70.8791

■ 65.5160, 68.6346,  
17.2114

■ 88.4286, 93.6678,  
88.9480

■ 63.3035, 65.4158,  
12.7558

■ 93.9209, 98.8285,  
108.7334

■ 61.4534, 62.4283,  
9.9413

94.3180, 99.6226,  
108.8657

■ 59.9040, 59.6467,  
8.4476

■ 59.7193, 59.3052,  
8.2995

# Harmonies

## Analogous

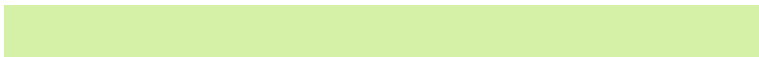
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8736, 79.8428, 46.1446



74.7212, 79.8428, 42.4833



65.6976, 79.8428, 48.3822

# Triad

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



74.7212, 79.8428, 42.4833



60.8486, 79.8428, 121.2642



94.5737, 79.8428, 114.1441

# Complementary

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



74.7212, 79.8428, 42.4833



47.1672, 45.8998, 99.3020

# 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.



87.0816, 79.8428, 141.9127



74.7212, 79.8428, 42.4833



67.5604, 79.8428, 146.6213

# Square

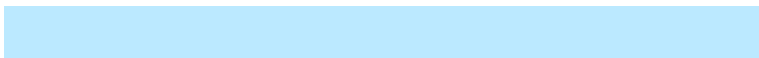
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7212, 79.8428, 42.4833



58.1474, 79.8428, 90.3381



77.0673, 79.8428, 154.9049



96.9136, 79.8428, 83.6189

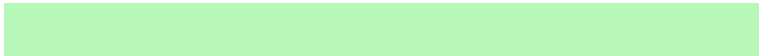


# Rectangle

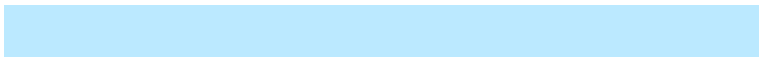
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7212, 79.8428, 42.4833



61.3616, 79.8428, 57.9170



77.0673, 79.8428, 154.9049



92.5435, 79.8428, 124.3163

# Sweetspot

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



74.7232, 79.8465, 42.4849



88.2610, 93.6879, 84.2375



60.4173, 47.6011, 48.9180



18.7442, 19.9121, 17.5076



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

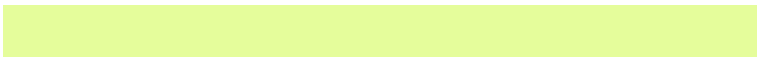
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7232, 79.8465, 42.4849



73.4056, 78.2861, 35.1729



73.1958, 89.1931, 44.3695



19.1787, 20.3256, 19.0567



31.8858, 31.7828, 4.4541



3.1878, 3.2609, 0.4614



# Inverse Universe

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



47.1672, 45.8998, 99.3020



41.9770, 39.5883, 100.0366



48.1579, 40.1789, 98.1456



17.3489, 18.0694, 22.8233



10.3651, 5.6397, 49.9769



1.0885, 0.7078, 4.8925



# Previews

## White Background



This preview shows how the XYZ color 74.7212, 79.8428, 42.4833 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 74.7212, 79.8428, 42.4833 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 74.7212, 79.8428, 42.4833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7212, 79.8428, 42.4833.



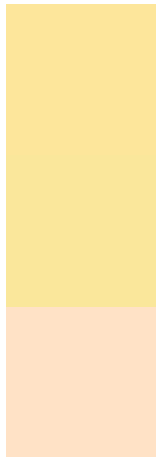
This preview shows how white text looks on a background with the XYZ color 74.7212, 79.8428,



# 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

74.7212, 79.8428, 42.4833

### Protanopia

73.9166, 79.8424, 42.5256

### Deuteranopia

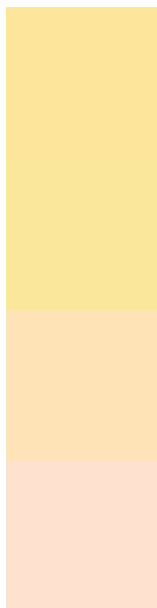
78.6294, 79.7299, 64.6713



## Tritanopia

82.3567, 79.5007, 89.6018

# Trichromacy



## Original Color

74.7212, 79.8428, 42.4833

## Protanomaly

74.2760, 80.0276, 42.5425

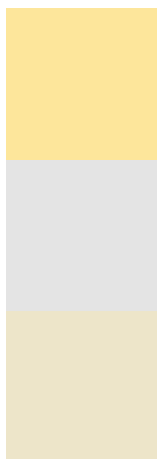
## Deuteranomaly

76.7856, 79.3864, 55.5320

## Tritanomaly

78.9388, 79.3775, 69.5534

# Monochromacy



## Original Color

74.7212, 79.8428, 42.4833

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.4870, 78.2602, 66.4909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7212, 79.8428, 42.4833 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(253, 230, 155)` looks like.

```
.text, #text, p{  
    color:rgb(253, 230, 155)  
}
```

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(253, 230, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 230, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7212, 79.8428, 42.4833 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(253, 230, 155) }
```



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

```
.border{ border-color:rgb(253, 230, 155) }
```

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

Here you see how a box with a 4 pixel rgb(253, 230, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(253, 230,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7212, 79.8428, 42.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 230, 155) }
```

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

```
.background{ background-color: rgb(253,  
230, 155) }
```

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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