

# Converting Colors

XYZ(72.2942, 73.9206, 41.4079)

Have a look what the booklet for  
XYZ(72.2942, 73.9206, 41.4079)  
contains.

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# Color

**XYZ(72.2278, 73.7694,  
41.4424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDA9B
RGB	255, 218, 155
RGB Percent	100%, 85%, 61%
CMY	0.0000, 0.1451, 0.3921
CMYK	0.00, 0.15, 0.39, 0.00
HSL	38°, 100%, 80%
HSV	38°, 39%, 100%
XYZ	72.2278, 73.7694, 41.4424
YIQ	221.8810, 42.2750, -11.7490

# Conversions

## Conversions Part 2

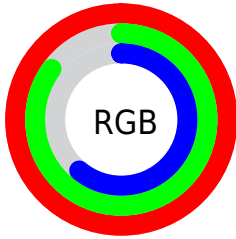
Format	Color
R <sub>Y</sub> B	214, 255, 155
Decimal	16767643
CIE Lab	88.81, 4.49, 35.77
CIE LCh	89, 36.053, 82.843
Yxy	73.7694, 0.3853, 0.3936
Android (android.graphics.Color)	4294957723 (0xFFFFDA9B)
YUV	221.8810, -32.9723, 29.0454
Hunter-Lab	85.8891, -0.1977, 31.5143

# Details

The XYZ color **72.2278, 73.7694, 41.4424** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.4165, 51.8860, 101.9654**, and the grayscale version is **69.5533, 73.1754, 79.6881**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **38.5713, 39.0440, 18.3353** is the 20% darker color. If you saturate the color by 10%, you get **67.9317, 68.2501, 30.5375**, and if you desaturate by 10%, it is **77.1190, 79.7550, 54.7783**.

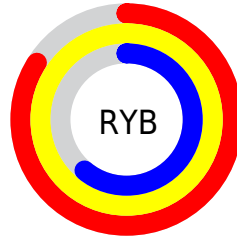
# Distribution



Red (100%)

Green (85%)

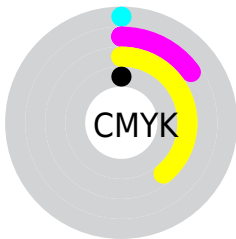
Blue (61%)



Red (84%)

Yellow (100%)

Blue (61%)

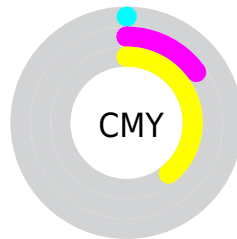


Cyan (0%)

Magenta (15%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2278, 73.7694, 41.4424 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 72.2278, 73.7694, 41.4424 by changing the saturation by 10% instead.





 72.2278, 73.7694,  
41.4424


 72.2278, 73.7694,  
41.4424


457.4794,  
473.6771, 367.8975

 53.6309, 54.6053,  
28.3426


 121.3894,  
124.5689, 78.6160

 38.5362, 39.0858,  
18.3428


 152.6848,  
156.9730, 103.5269

 26.5782, 26.8265,  
11.0244


188.9438,  
194.5594, 133.2118

 17.3916, 17.4430,  
5.9689

230.5317,  
237.7122, 168.0895

 10.6111, 10.5508,  
2.7577

277.8138,  
286.8161, 208.5783

 5.8713, 5.7657,  
0.9723

331.1556,

 2.8069, 2.7031,

342.2552, 255.0969

0.0000

390.9224,  
404.4141, 308.0638

■ 1.0525, 0.9788,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.2278, 73.7694,  
41.4424

■ 72.2278, 73.7694,  
41.4424

■ 67.9317, 68.2501,  
30.5375

■ 77.1190, 79.7550,  
54.7783

■ 64.1943, 63.1706,  
21.9070

■ 82.6284, 86.2115,  
70.6793

■ 60.9831, 58.5170,  
15.3832

■ 88.7840, 93.1564,  
89.2751

■ 58.2590, 54.2698,  
10.7729

95.0500, 100.0000,  
108.9000

■ 55.9762, 50.4066,  
7.8468

■ 54.0668, 46.8961,  
6.2597

■ 53.9264, 46.6328,  
6.1588

# Harmonies

## Analogous

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



80.7508, 73.7694, 47.7777



72.2278, 73.7694, 41.4424



63.7990, 73.7694, 43.6654

# Triad

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



72.2278, 73.7694, 41.4424



55.7560, 73.7694, 100.4674



84.3625, 73.7694, 112.9981

# Complementary

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



72.2278, 73.7694, 41.4424



50.4165, 51.8860, 101.9654

# 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.



76.8359, 73.7694, 133.2700



72.2278, 73.7694, 41.4424



60.4578, 73.7694, 125.0507

# Square

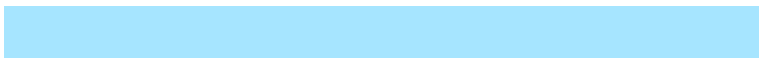
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2278, 73.7694, 41.4424



54.7445, 73.7694, 74.4805



68.0450, 73.7694, 138.0860



88.1242, 73.7694, 86.4619



# Rectangle

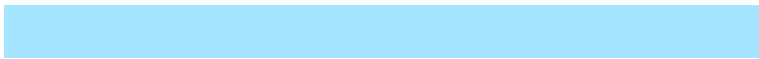
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2278, 73.7694, 41.4424



59.3096, 73.7694, 49.9787



68.0450, 73.7694, 138.0860



82.1604, 73.7694, 120.9782

# Sweetspot

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



72.2296, 73.7728, 41.4439



87.0033, 91.1724, 83.8182



62.6247, 48.5685, 56.7219



18.4473, 19.3183, 17.4087



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.



72.2296, 73.7728, 41.4439



68.8343, 69.4346, 32.7513



78.7539, 93.0006, 44.8114



18.9633, 19.8948, 18.9849



28.3254, 24.6621, 3.2673



2.8625, 2.6104, 0.3530



# Inverse Universe

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



50.4165, 51.8860, 101.9654



44.2838, 44.8193, 100.9247



45.6380, 38.8428, 99.6997



17.5534, 18.4783, 22.8915



11.6690, 8.2475, 50.4115



1.2364, 1.0036, 4.9418



# Previews

## White Background



This preview shows how the XYZ color 72.2278, 73.7694, 41.4424 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 72.2278, 73.7694, 41.4424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

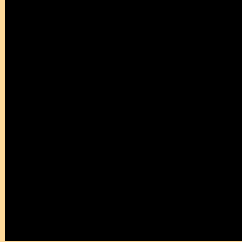
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2278, 73.7694, 41.4424**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2278, 73.7694, 41.4424.



This preview shows how white text looks on a background with the XYZ color 72.2278, 73.7694,

41.4424.

# 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

72.2278, 73.7694, 41.4424

### Protanopia

68.7491, 73.9104, 42.5410

### Deuteranopia

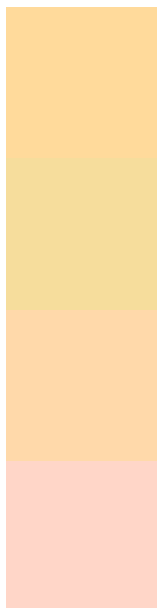
73.8317, 73.5861, 52.4317



## Tritanopia

78.3741, 73.7832, 81.3450

# Trichromacy



## Original Color

72.2278, 73.7694, 41.4424

## Protanomaly

69.8632, 73.7060, 41.9970

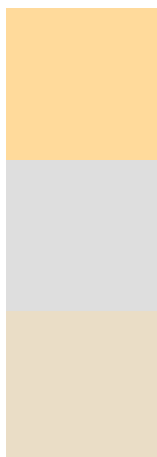
## Deuteranomaly

73.3086, 73.7880, 48.4089

## Tritanomaly

75.7119, 73.5233, 64.8445

# Monochromacy



## Original Color

72.2278, 73.7694, 41.4424

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.9812, 73.2825, 63.8826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2278, 73.7694, 41.4424 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, 218, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 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(255, 218, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2278, 73.7694, 41.4424 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, 218, 155) }
```



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

```
.border{ border-color:rgb(255, 218, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2278, 73.7694, 41.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 155) }
```

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

```
.background{ background-color: rgb(255,  
218, 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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