

# Converting Colors

XYZ(74.7891, 75.0173, 45.7694)

Have a look what the booklet for  
XYZ(74.7891, 75.0173, 45.7694)  
contains.

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# Color

**XYZ(73.0122, 74.0831,  
45.5733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDAA4
RGB	255, 218, 164
RGB Percent	100%, 85%, 64%
CMY	0.0000, 0.1451, 0.3569
CMYK	0.00, 0.15, 0.36, 0.00
HSL	36°, 100%, 82%
HSV	36°, 36%, 100%
XYZ	73.0122, 74.0831, 45.5733
YIQ	222.9070, 39.3860, -8.9500

# Conversions

## Conversions Part 2

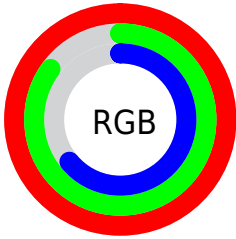
Format	Color
RYB	226, 255, 164
Decimal	16767652
CIELab	88.96, 5.50, 31.36
CIELCh	89, 31.842, 80.057
Yxy	74.0831, 0.3790, 0.3845
Android (android.graphics.Color)	4294957732 (0xFFFFDAA4)
YUV	222.9070, -29.0412, 28.1456
Hunter-Lab	86.0715, 0.7916, 28.8571

# Details

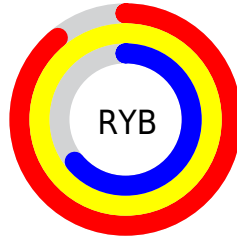
The XYZ color **73.0122, 74.0831, 45.5733** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.2459, 56.8840, 102.7283**, and the grayscale version is **70.2549, 73.9136, 80.4920**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **39.0478, 39.2346, 20.8442** is the 20% darker color. If you saturate the color by 10%, you get **68.3320, 68.0459, 33.7685**, and if you desaturate by 10%, it is **78.3260, 80.6482, 59.8688**.

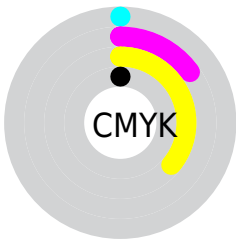
# Distribution



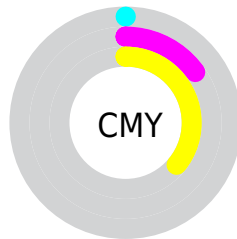
- Red (100%)
- Green (85%)
- Blue (64%)



- Red (89%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (15%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0122, 74.0831, 45.5733 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 73.0122, 74.0831, 45.5733 by changing the saturation by 10% instead.




 73.0122, 74.0831,  
45.5733


 73.0122, 74.0831,  
45.5733


460.1602,  
474.7601, 385.3181

 54.2744, 54.8621,  
31.5630


 122.4976,  
125.0136, 84.9076

 39.0526, 39.2913,  
20.7659


 153.9758,  
157.4918, 111.0687

 26.9815, 26.9864,  
12.7634


190.4315,  
195.1580, 142.1171

 17.6959, 17.5630,  
7.1370

232.2301,  
238.3963, 178.4714

 10.8302, 10.6367,  
3.4682

279.7369,  
287.5913, 220.5501

 6.0192, 5.8231,  
1.3384

333.3173,

 2.8976, 2.7378,

343.1273, 268.7717

0.0929

393.3366,  
405.3888, 323.5549

■ 1.0998, 0.9964,  
0.0000

■ 0.0250, 0.0000,  
0.0000

■ 73.0122, 74.0831,  
45.5733

■ 73.0122, 74.0831,  
45.5733

■ 68.3320, 68.0459,  
33.7685

■ 78.3260, 80.6482,  
59.8688

■ 64.2491, 62.5090,  
24.3026

■ 84.2963, 87.7470,  
76.7853

■ 60.7314, 57.4574,  
17.0143

■ 90.9513, 95.3981,  
96.4497

■ 57.7410, 52.8708,  
11.7195

95.0500, 100.0000,  
108.9000

■ 55.2339, 48.7261,  
8.2035

■ 53.1565, 44.9964,  
6.2002

■ 52.3605, 43.5010,  
5.6368

# Harmonies

## Analogous

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



80.3967, 74.0831, 52.2252



73.0122, 74.0831, 45.5733



65.4371, 74.0831, 46.9140

# Triad

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



73.0122, 74.0831, 45.5733



57.3511, 74.0831, 96.1653



82.4383, 74.0831, 111.2048

# Complementary

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



73.0122, 74.0831, 45.5733



54.2459, 56.8840, 102.7283

# 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.



75.6366, 74.0831, 127.6350



73.0122, 74.0831, 45.5733



61.2934, 74.0831, 117.9099

# Square

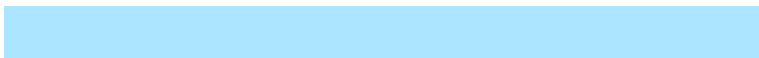
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0122, 74.0831, 45.5733



56.7615, 74.0831, 73.5330



67.8777, 74.0831, 130.2913



86.0963, 74.0831, 88.2415



# Rectangle

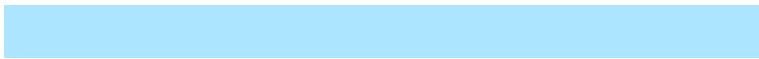
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0122, 74.0831, 45.5733



61.2728, 74.0831, 52.2660



67.8777, 74.0831, 130.2913



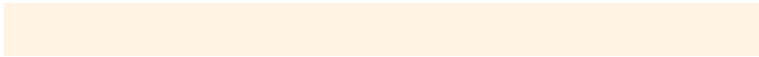
80.4214, 74.0831, 117.8398

# Sweetspot

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



73.0141, 74.0865, 45.5748



87.3277, 91.2623, 85.6496



65.1668, 52.0720, 62.4424



18.5006, 19.3135, 17.7701



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.



73.0141, 74.0865, 45.5748



69.5292, 69.6179, 36.7028



80.9659, 94.0504, 49.0091



18.9057, 19.7795, 18.9657



27.5099, 23.0311, 2.9955



2.7859, 2.4572, 0.3275



# Inverse Universe

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



54.2459, 56.8840, 102.7283



48.1863, 50.0665, 101.7319



48.2482, 42.4955, 100.2672



17.6093, 18.5902, 22.9101



12.1381, 9.1858, 50.5679



1.2859, 1.1024, 4.9583



# Previews

## White Background



This preview shows how the XYZ color 73.0122, 74.0831, 45.5733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

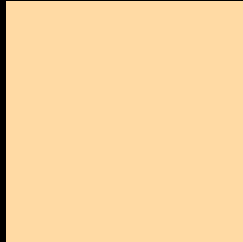
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0122, 74.0831, 45.5733 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 73.0122, 74.0831, 45.5733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.0122, 74.0831, 45.5733.



This preview shows how white text looks on a background with the XYZ color 73.0122, 74.0831,

45.5733.

# 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

73.0122, 74.0831, 45.5733

### Protanopia

69.2058, 74.0538, 46.7227

### Deuteranopia

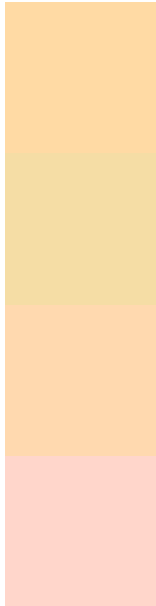
74.3933, 74.2219, 54.1214



## Tritanopia

78.5110, 73.8380, 82.0657

# Trichromacy



## Original Color

73.0122, 74.0831, 45.5733

## Protanomaly

70.3042, 73.8420, 46.1448

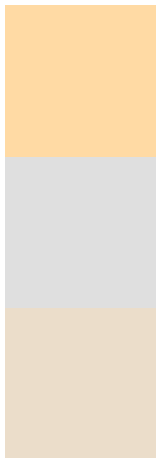
## Deuteranomaly

73.7907, 73.9809, 50.9480

## Tritanomaly

76.0661, 73.6649, 66.7096

# Monochromacy



## Original Color

73.0122, 74.0831, 45.5733

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.7781, 73.6393, 66.3605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0122, 74.0831, 45.5733 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0122, 74.0831, 45.5733 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, 164) }
```



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

```
.border{ border-color:rgb(255, 218, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0122, 74.0831, 45.5733 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, 164) }
```

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

```
.background{ background-color: rgb(255,  
218, 164) }
```

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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