

# Converting Colors

XYZ(73.1484, 75.3047, 42.6925)

Have a look what the booklet for  
XYZ(73.1484, 75.3047, 42.6925)  
contains.

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# Color

**XYZ(73.1823, 75.4072,  
42.5962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDD9D
RGB	255, 221, 157
RGB Percent	100%, 87%, 62%
CMY	0.0000, 0.1333, 0.3843
CMYK	0.00, 0.13, 0.38, 0.00
HSL	39°, 100%, 81%
HSV	39°, 38%, 100%
XYZ	73.1823, 75.4072, 42.5962
YIQ	223.8700, 40.8080, -12.6960

# Conversions

## Conversions Part 2

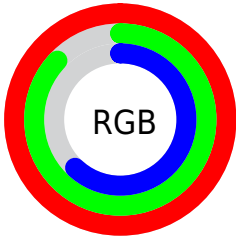
Format	Color
R <sub>Y</sub> B	209, 255, 157
Decimal	16768413
CIE Lab	89.58, 3.17, 35.77
CIE LCh	90, 35.907, 84.929
Yxy	75.4072, 0.3828, 0.3944
Android (android.graphics.Color)	4294958493 (0xFFFFDD9D)
YUV	223.8700, -32.9669, 27.3010
Hunter-Lab	86.8373, -1.5341, 31.7027

# Details

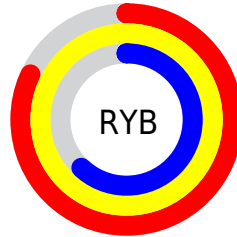
The XYZ color **73.1823, 75.4072, 42.5962** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.5849, 51.6481, 101.9107**, and the grayscale version is **70.9679, 74.6637, 81.3088**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **39.2120, 40.1627, 19.0501** is the 20% darker color. If you saturate the color by 10%, you get **68.9546, 70.0798, 31.5441**, and if you desaturate by 10%, it is **77.9911, 81.1694, 56.0852**.

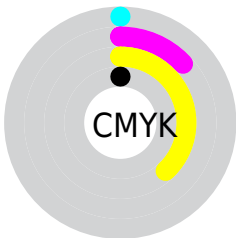
# Distribution



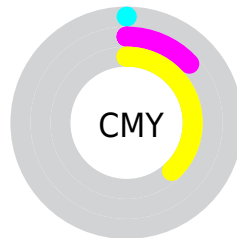
- Red (100%)
- Green (87%)
- Blue (62%)



- Red (82%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (13%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1823, 75.4072, 42.5962 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 73.1823, 75.4072, 42.5962 by changing the saturation by 10% instead.




 73.1823, 75.4072,  
42.5962


 73.1823, 75.4072,  
42.5962


460.7404,  
479.3160, 372.8208

 54.4139, 55.9465,  
29.2394


 122.7377,  
126.8886, 80.3810

 39.1647, 40.1601,  
19.0148


 154.2555,  
159.6781, 105.6460

 27.0692, 27.6634,  
11.5041


190.7538,  
197.6794, 135.7174

 17.7620, 18.0721,  
6.2885

232.5979,  
241.2769, 171.0139

 10.8779, 11.0017,  
2.9497

280.1533,  
290.8549, 211.9540

 6.0515, 6.0680,  
1.0690

333.7853,

 2.9174, 2.8865,

346.7978, 258.9561

0.0000

393.8592,  
409.4900, 312.4389

■ 1.1102, 1.0728,  
0.0000

■ 0.0336, 0.0000,  
0.0000

■ 73.1823, 75.4072,  
42.5962

■ 73.1823, 75.4072,  
42.5962

■ 68.9546, 70.0798,  
31.5441

■ 77.9911, 81.1694,  
56.0852

■ 65.2721, 65.1617,  
22.7735

■ 83.4034, 87.3701,  
72.1442

■ 62.1032, 60.6398,  
16.1185

■ 89.4468, 94.0259,  
90.9019

■ 59.4095, 56.4957,  
11.3882

95.0500, 100.0000,  
108.9000

■ 57.1466, 52.7083,  
8.3570

■ 55.2523, 49.2495,  
6.7089

■ 54.9756, 48.7311,  
6.5085

# Harmonies

## Analogous

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



81.8686, 75.4072, 48.4154



73.1823, 75.4072, 42.5962



64.7570, 75.4072, 45.4578

# Triad

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



73.1823, 75.4072, 42.5962



57.3627, 75.4072, 104.3337



86.4726, 75.4072, 113.3059

# Complementary

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



73.1823, 75.4072, 42.5962



50.5849, 51.6481, 101.9107

# 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.



79.0632, 75.4072, 134.5150



73.1823, 75.4072, 42.5962



62.3598, 75.4072, 128.6345

# Square

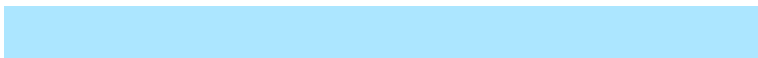
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1823, 75.4072, 42.5962



56.0673, 75.4072, 77.8855



70.1832, 75.4072, 140.6319



89.9333, 75.4072, 86.4755

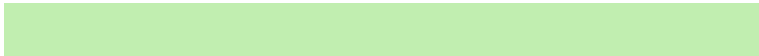


# Rectangle

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



73.1823, 75.4072, 42.5962



60.3466, 75.4072, 52.2880



70.1832, 75.4072, 140.6319



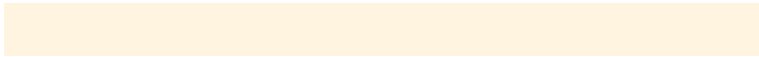
84.3331, 75.4072, 121.5304

# Sweetspot

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



73.1841, 75.4107, 42.5977



87.2157, 91.5971, 83.8890



62.7345, 49.1495, 55.6446



18.4974, 19.4185, 17.4254



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.



73.1841, 75.4107, 42.5977



69.9311, 71.3369, 34.0147



77.8832, 92.5323, 45.6549



18.9997, 19.9677, 18.9971



28.8709, 25.7530, 3.4492



2.9133, 2.7119, 0.3699



# Inverse Universe

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



50.5849, 51.6481, 101.9107



44.4796, 44.5936, 100.8708



47.0552, 40.0716, 99.8623



17.5182, 18.4081, 22.8798



11.3997, 7.7090, 50.3217



1.2074, 0.9455, 4.9321



# Previews

## White Background



This preview shows how the XYZ color 73.1823, 75.4072, 42.5962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

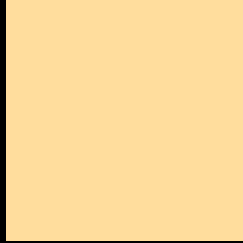
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1823, 75.4072, 42.5962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

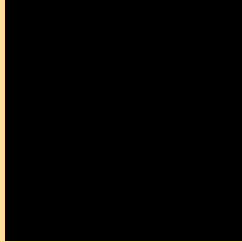
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.1823, 75.4072, 42.5962**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1823, 75.4072, 42.5962.



This preview shows how white text looks on a background with the XYZ color 73.1823, 75.4072,



# 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

73.1823, 75.4072, 42.5962

### Protanopia

70.1454, 75.4083, 43.6591

### Deuteranopia

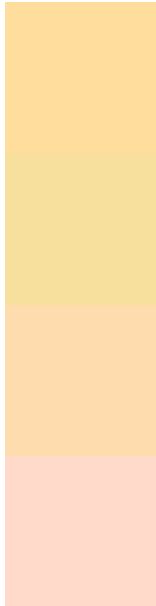
75.2232, 75.3837, 55.9332



## Tritanopia

79.5440, 75.4623, 83.7720

# Trichromacy



## Original Color

73.1823, 75.4072, 42.5962

## Protanomaly

71.1850, 75.5541, 43.1793

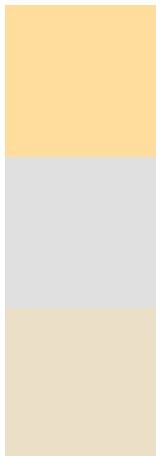
## Deuteranomaly

74.4732, 75.5024, 50.6927

## Tritanomaly

76.7135, 75.1500, 66.3393

# Monochromacy



## Original Color

73.1823, 75.4072, 42.5962

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.0740, 74.6077, 65.2983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1823, 75.4072, 42.5962 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, 221, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 157)  
}
```

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, 221, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1823, 75.4072, 42.5962 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, 221, 157) }
```



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

```
.border{ border-color:rgb(255, 221, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1823, 75.4072, 42.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 157) }
```

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

```
.background{ background-color: rgb(255,  
221, 157) }
```

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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