

# Converting Colors

XYZ(73.1647, 72.5743, 51.2156)

Have a look what the booklet for  
XYZ(73.1647, 72.5743, 51.2156)  
contains.

<b>XYZ(73.1230, 72.4877, 51.2118)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(73.1230, 72.4877,  
51.2118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD6B0
RGB	255, 214, 176
RGB Percent	100%, 84%, 69%
CMY	0.0000, 0.1608, 0.3098
CMYK	0.00, 0.16, 0.31, 0.00
HSL	29°, 100%, 85%
HSV	29°, 31%, 100%
XYZ	73.1230, 72.4877, 51.2118
YIQ	221.9270, 36.6340, -3.1260

# Conversions

## Conversions Part 2

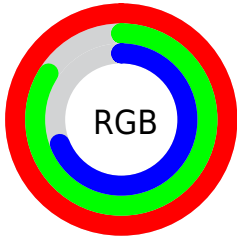
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 249, 176
Decimal	16766640
CIE <sub>Lab</sub>	88.20, 9.00, 24.12
CIE <sub>LCh</sub>	88, 25.748, 69.538
Yxy	72.4877, 0.3715, 0.3683
Android (android.graphics.Color)	4294956720 (0xFFFFD6B0)
YUV	221.9270, -22.6420, 29.0050
Hunter-Lab	85.1397, 4.3118, 23.9347

# Details

The XYZ color **73.1230, 72.4877, 51.2118** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.7666, 66.0736, 104.1585**, and the grayscale version is **69.5178, 73.1382, 79.6475**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **38.9992, 38.0967, 24.0368** is the 20% darker color. If you saturate the color by 10%, you get **67.6195, 65.1462, 38.0770**, and if you desaturate by 10%, it is **79.3762, 80.5696, 66.9362**.

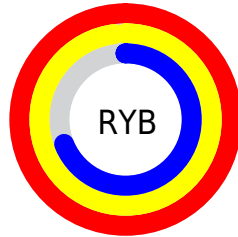
# Distribution



Red (100%)

Green (84%)

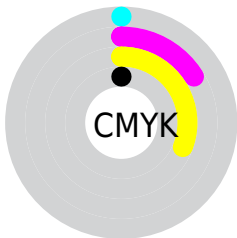
Blue (69%)



Red (100%)

Yellow (98%)

Blue (69%)

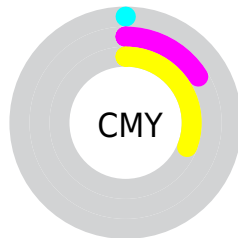


Cyan (0%)

Magenta (16%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1230, 72.4877, 51.2118 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 73.1230, 72.4877, 51.2118 by changing the saturation by 10% instead.




 73.1230, 72.4877,  
51.2118

 73.1230, 72.4877,  
51.2118


460.5382,  
469.2373, 408.2561

 54.3653, 53.5572,  
35.9993


 122.6540,  
122.7497, 93.3825

 39.1256, 38.2477,  
24.1440


154.1580,  
154.8499, 121.1777

 27.0386, 26.1750,  
15.2273


190.6414,  
192.1088, 154.0043

 17.7390, 16.9546,  
8.8306

232.4697,  
234.9108, 192.2808

 10.8613, 10.2021,  
4.5356

280.0082,  
283.6402, 236.4256

 6.0402, 5.5332,  
1.9235

333.6222,

 2.9105, 2.5634,

338.6815, 286.8575

0.5076

393.6771,  
400.4191, 343.9948

■ 1.1066, 0.9083,  
0.0000

■ 0.0306, 0.0000,  
0.0000

■ 73.1230, 72.4877,  
51.2118

■ 73.1230, 72.4877,  
51.2118

■ 67.6195, 65.1462,  
38.0770

■ 79.3762, 80.5696,  
66.9362

■ 62.8272, 58.5116,  
27.3851

■ 86.4044, 89.4041,  
85.3770

■ 58.7121, 52.5622,  
18.9816

■ 94.2382, 99.0158,  
106.6580

■ 55.2344, 47.2710,  
12.6919

■ 95.0500, 100.0000,  
108.9000

■ 52.3494, 42.6086,  
8.3161

■ 50.0046, 38.5417,  
5.6145

■ 48.2828, 35.3456,  
4.2776

# Harmonies

## Analogous

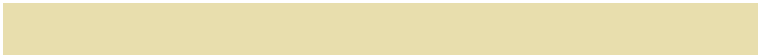
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4450, 72.4877, 59.2356



73.1230, 72.4877, 51.2118



66.9525, 72.4877, 49.9690

# Triad

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



73.1230, 72.4877, 51.2118



57.8606, 72.4877, 84.6845



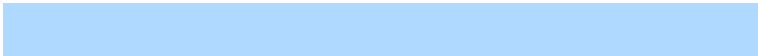
76.7188, 72.4877, 108.0953

# Complementary

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



73.1230, 72.4877, 51.2118



60.7666, 66.0736, 104.1585

# 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.



70.8795, 72.4877, 117.3438



73.1230, 72.4877, 51.2118



60.1577, 72.4877, 102.5596

# Square

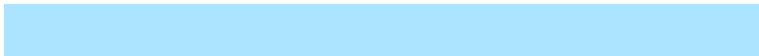
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1230, 72.4877, 51.2118



58.3818, 72.4877, 67.6486



64.8378, 72.4877, 115.1795



80.6054, 72.4877, 91.3935



# Rectangle

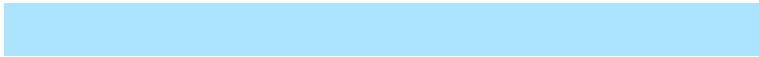
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1230, 72.4877, 51.2118



63.2194, 72.4877, 52.9317



64.8378, 72.4877, 115.1795



74.9055, 72.4877, 112.2841

# Sweetspot

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



73.1248, 72.4910, 51.2133



87.8904, 91.2446, 89.3608



69.4381, 57.3803, 73.8375



18.5777, 19.2399, 18.4979



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.



73.1248, 72.4910, 51.2133



69.7232, 67.9828, 43.0038



84.0023, 94.2460, 54.8391



18.7305, 19.4291, 18.9073



25.3765, 18.7643, 2.2844



2.5795, 2.0444, 0.2587

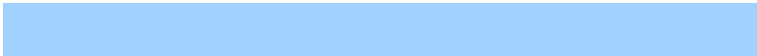


# Inverse Universe

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



60.7666, 66.0736, 104.1585



55.6279, 60.6615, 103.3847



52.0019, 48.5444, 101.2370



17.7828, 18.9372, 22.9679



13.9164, 12.7424, 51.1606



1.4644, 1.4595, 5.0178



# Previews

## White Background



This preview shows how the XYZ color 73.1230, 72.4877, 51.2118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

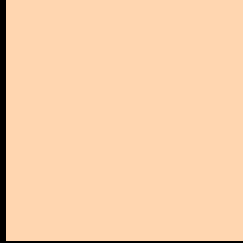
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1230, 72.4877, 51.2118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

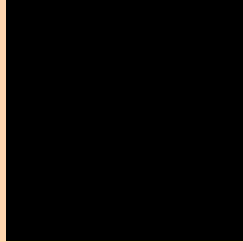
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.1230, 72.4877, 51.2118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1230, 72.4877, 51.2118.



This preview shows how white text looks on a background with the XYZ color 73.1230, 72.4877,



# 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

73.1230, 72.4877, 51.2118

### Protanopia

68.2541, 72.6297, 53.0694

### Deuteranopia

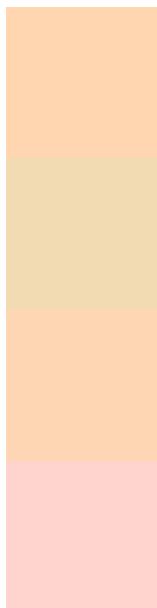
73.6271, 72.6893, 53.8659



## Tritanopia

77.6059, 72.6809, 79.7506

# Trichromacy



## Original Color

73.1230, 72.4877, 51.2118

## Protanomaly

69.7252, 72.2344, 52.3872

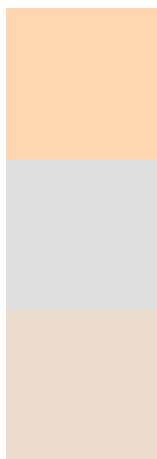
## Deuteranomaly

73.4233, 72.6078, 52.7927

## Tritanomaly

75.6748, 72.3048, 68.3602

# Monochromacy



## Original Color

73.1230, 72.4877, 51.2118

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

70.2826, 72.5632, 68.0594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1230, 72.4877, 51.2118 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, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 176)  
}
```

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, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1230, 72.4877, 51.2118 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, 214, 176) }
```



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

```
.border{ border-color:rgb(255, 214, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 214, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 214, 176); box-shadow:4px 4px 4px 4px rgb(255, 214, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1230, 72.4877, 51.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 176) }
```

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

```
.background{ background-color: rgb(255,  
214, 176) }
```

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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