

# Converting Colors

XYZ(72.6080, 70.4216, 54.2339)

Have a look what the booklet for  
XYZ(72.6080, 70.4216, 54.2339)  
contains.

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# Color

**XYZ(72.4840, 70.2383,  
53.9930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD1B6
RGB	255, 209, 182
RGB Percent	100%, 82%, 71%
CMY	0.0000, 0.1804, 0.2863
CMYK	0.00, 0.18, 0.29, 0.00
HSL	22°, 100%, 86%
HSV	22°, 29%, 100%
XYZ	72.4840, 70.2383, 53.9930
YIQ	219.6760, 36.0830, 1.3550

# Conversions

## Conversions Part 2

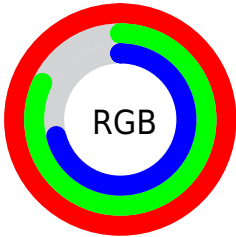
Format	Color
R <sub>Y</sub> B	255, 225, 182
Decimal	16765366
CIE Lab	87.11, 12.36, 19.48
CIE LCh	87, 23.068, 57.610
Yxy	70.2383, 0.3685, 0.3571
Android (android.graphics.Color)	4294955446 (0xFFFFD1B6)
YUV	219.6760, -18.5743, 30.9791
Hunter-Lab	83.8083, 7.7163, 20.4686

# Details

The XYZ color **72.4840, 70.2383, 53.9930** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.0840, 72.6496, 105.2002**, and the grayscale version is **67.9108, 71.4475, 77.8063**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **38.7098, 36.8980, 25.8507** is the 20% darker color. If you saturate the color by 10%, you get **66.3399, 61.7905, 40.1060**, and if you desaturate by 10%, it is **79.5089, 79.6794, 70.5427**.

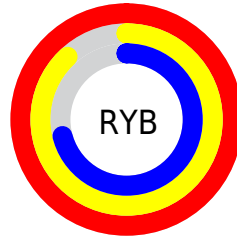
# Distribution



Red (100%)

Green (82%)

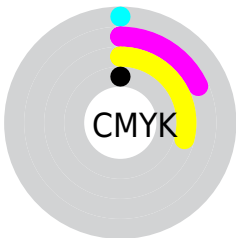
Blue (71%)



Red (100%)

Yellow (88%)

Blue (71%)

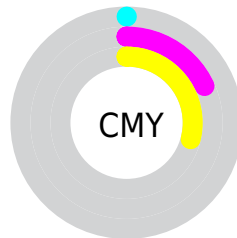


Cyan (0%)

Magenta (18%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4840, 70.2383, 53.9930 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 72.4840, 70.2383, 53.9930 by changing the saturation by 10% instead.




 72.4840, 70.2383,  
53.9930

 72.4840, 70.2383,  
53.9930


458.3560,  
461.3863, 419.2572

 53.8410, 51.7208,  
38.2029


 121.7515,  
119.5485, 97.5203

 38.7047, 36.7826,  
25.8372

153.1067,  
151.1101, 126.0945

 26.7098, 25.0392,  
16.4772


189.4300,  
187.7884, 159.7673

 17.4909, 16.1063,  
9.7045

231.0869,  
229.9680, 198.9571

 10.6825, 9.5994,  
5.1004

278.4425,  
278.0332, 244.0824

 5.9195, 5.1342,  
2.2465

331.8623,

 2.8364, 2.3262,

332.3684, 295.5618

0.7010

391.7117,  
393.3579, 353.8139

■ 1.0678, 0.7875,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.4840, 70.2383,  
53.9930

■ 72.4840, 70.2383,  
53.9930

■ 66.3399, 61.7905,  
40.1060

■ 79.5089, 79.6794,  
70.5427

■ 61.0339, 54.2928,  
28.7361

■ 87.4449, 90.1366,  
89.8813

■ 56.5267, 47.7123,  
19.7303

95.0500, 100.0000,  
108.9000

■ 52.7737, 42.0105,  
12.9171

■ 49.7249, 37.1455,  
8.1011

■ 47.3231, 33.0713,  
5.0517

■ 45.4914, 29.7322,  
3.4418

■ 45.2724, 29.3248,  
3.2741

# Harmonies

## Analogous

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



76.4006, 70.2383, 63.4939



72.4840, 70.2383, 53.9930



67.1939, 70.2383, 50.4229

# Triad

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



72.4840, 70.2383, 53.9930



56.9029, 70.2383, 75.2426



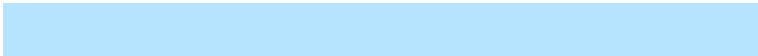
71.6936, 70.2383, 106.0069

# Complementary

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



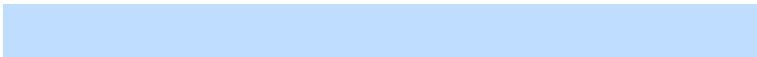
72.4840, 70.2383, 53.9930



65.0840, 72.6496, 105.2002

# 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.



66.3268, 70.2383, 110.2444



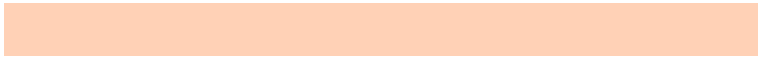
72.4840, 70.2383, 53.9930



57.9654, 70.2383, 91.1206

# Square

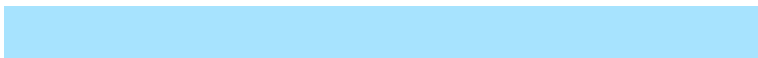
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4840, 70.2383, 53.9930



58.3609, 70.2383, 61.6130



61.3444, 70.2383, 104.4708



75.9273, 70.2383, 93.5591



# Rectangle

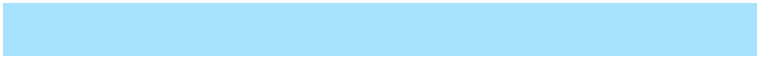
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4840, 70.2383, 53.9930



63.6638, 70.2383, 51.4672



61.3444, 70.2383, 104.4708



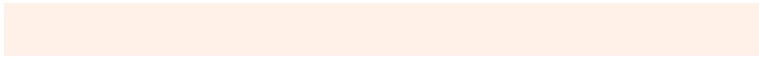
69.9538, 70.2383, 108.5065

# Sweetspot

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



72.4857, 70.2415, 53.9944



87.1319, 89.7276, 89.1080



72.0044, 60.3310, 81.4192



18.3913, 18.8671, 18.4358



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.



72.4857, 70.2415, 53.9944



69.0767, 65.5800, 46.2100



82.4169, 90.1039, 57.3048



18.5597, 19.0876, 18.8504



23.7861, 15.5835, 1.7543

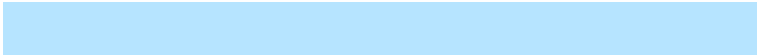


2.4162, 1.7178, 0.2042

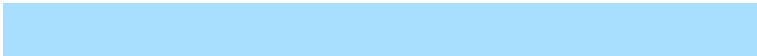


# Inverse Universe

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



65.0840, 72.6496, 105.2002



60.6305, 68.3140, 104.5981



56.1333, 54.7482, 102.2167



17.9570, 19.2855, 23.0260



16.2083, 17.3262, 51.9246



1.6827, 1.8962, 5.0906



# Previews

## White Background



This preview shows how the XYZ color 72.4840, 70.2383, 53.9930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

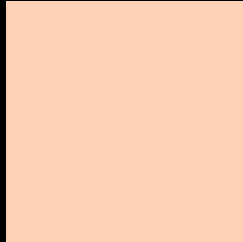
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4840, 70.2383, 53.9930 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 72.4840, 70.2383, 53.9930**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4840, 70.2383, 53.9930.



This preview shows how white text looks on a background with the XYZ color 72.4840, 70.2383,

53.9930.

# 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

72.4840, 70.2383, 53.9930

### Protanopia

66.5675, 70.5110, 56.5559

### Deuteranopia

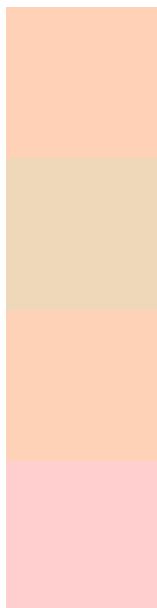
71.6350, 70.1660, 54.0238



## Tritanopia

75.8575, 70.0371, 76.5382

# Trichromacy



## Original Color

72.4840, 70.2383, 53.9930

## Protanomaly

68.6540, 70.4544, 55.8795

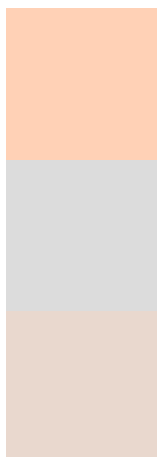
## Deuteranomaly

71.9981, 70.3532, 54.0408

## Tritanomaly

74.4519, 69.8588, 67.9526

# Monochromacy



## Original Color

72.4840, 70.2383, 53.9930

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

69.3007, 70.8916, 68.4234

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4840, 70.2383, 53.9930 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, 209, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 182)  
}
```

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, 209, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4840, 70.2383, 53.9930 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, 209, 182) }
```



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

```
.border{ border-color:rgb(255, 209, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 182); box-shadow:4px 4px 4px 4px rgb(255, 209, 182) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4840, 70.2383, 53.9930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 182) }
```

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

```
.background{ background-color: rgb(255,  
209, 182) }
```

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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