

# Converting Colors

XYZ(80.6480, 76.3034, 54.4297)

Have a look what the booklet for  
XYZ(80.6480, 76.3034, 54.4297)  
contains.

<b>XYZ(73.6271, 72.6893, 53.8659)</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(73.6271, 72.6893,  
53.8659)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD6B5
RGB	255, 214, 181
RGB Percent	100%, 84%, 71%
CMY	0.0000, 0.1608, 0.2902
CMYK	0.00, 0.16, 0.29, 0.00
HSL	27°, 100%, 85%
HSV	27°, 29%, 100%
XYZ	73.6271, 72.6893, 53.8659
YIQ	222.4970, 35.0290, -1.5710

# Conversions

## Conversions Part 2

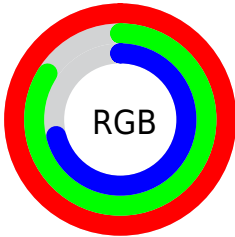
Format	Color
R <sub>Y</sub> B	255, 241, 181
Decimal	16766645
CIE Lab	88.30, 9.64, 21.65
CIE LCh	88, 23.695, 66.007
Yxy	72.6893, 0.3678, 0.3631
Android (android.graphics.Color)	4294956725 (0xFFFFD6B5)
YUV	222.4970, -20.4580, 28.5051
Hunter-Lab	85.2580, 4.9475, 22.2213

# Details

The XYZ color **73.6271, 72.6893, 53.8659** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.2265, 69.2841, 104.6485**, and the grayscale version is **69.9070, 73.5476, 80.0933**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **39.3204, 38.2251, 25.7278** is the 20% darker color. If you saturate the color by 10%, you get **67.8250, 64.8963, 40.1832**, and if you desaturate by 10%, it is **80.2216, 81.3006, 70.1770**.

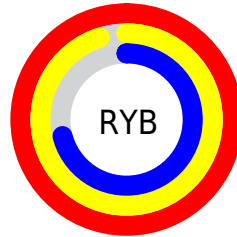
# Distribution



Red (100%)

Green (84%)

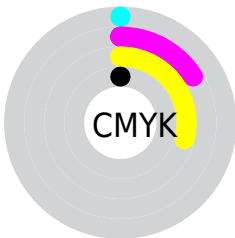
Blue (71%)



Red (100%)

Yellow (95%)

Blue (71%)

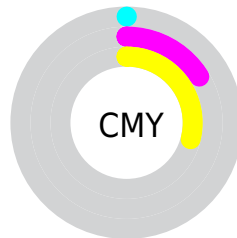


Cyan (0%)

Magenta (16%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6271, 72.6893, 53.8659 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 73.6271, 72.6893, 53.8659 by changing the saturation by 10% instead.





 73.6271, 72.6893,  
53.8659

 73.6271, 72.6893,  
53.8659


462.2556,  
469.9373, 418.7586

 54.7791, 53.7219,  
38.1020


 123.3654,  
123.0360, 97.3317

 39.4580, 38.3794,  
25.7594


154.9864,  
155.1842, 125.8708

 27.2986, 26.2773,  
16.4196


191.5958,  
192.4948, 159.5053

 17.9353, 17.0312,  
9.6640

233.5588,  
235.3521, 198.6538

 11.0030, 10.2567,  
5.0741

281.2410,  
284.1406, 243.7348

 6.1361, 5.5695,  
2.2313

335.0076,

 2.9695, 2.5851,

339.2447, 295.1669

0.6923

395.2240,  
401.0488, 353.3687

■ 1.1376, 0.9192,  
0.0000

■ 0.0563, 0.0000,  
0.0000

■ 73.6271, 72.6893,  
53.8659

■ 73.6271, 72.6893,  
53.8659

■ 67.8250, 64.8963,  
40.1832

■ 80.2216, 81.3006,  
70.1770

■ 62.7763, 57.8856,  
28.9841

■ 87.6351, 90.7450,  
89.2419

■ 58.4458, 51.6328,  
20.1164

95.0500, 100.0000,  
108.9000

■ 54.7931, 46.1080,  
13.4093

■ 51.7728, 41.2789,  
8.6679

■ 49.3324, 37.1095,  
5.6615

■ 47.3982, 33.5544,  
4.0503

■ 47.2274, 33.2348,  
3.9258

# Harmonies

## Analogous

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



78.3084, 72.6893, 62.1416



73.6271, 72.6893, 53.8659



67.9521, 72.6893, 51.9307

# Triad

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



73.6271, 72.6893, 53.8659



58.7841, 72.6893, 82.4655



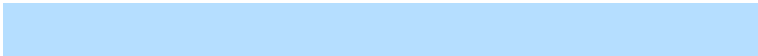
75.7122, 72.6893, 107.2493

# Complementary

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



73.6271, 72.6893, 53.8659



63.2265, 69.2841, 104.6485

# 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.



70.2385, 72.6893, 114.5167



73.6271, 72.6893, 53.8659



60.6232, 72.6893, 99.0005

# Square

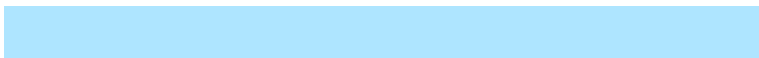
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6271, 72.6893, 53.8659



59.5814, 72.6893, 67.0936



64.7413, 72.6893, 111.3084



79.5577, 72.6893, 92.5623



# Rectangle

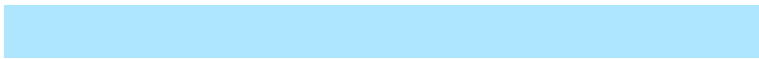
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6271, 72.6893, 53.8659



64.4088, 72.6893, 54.2261



64.7413, 72.6893, 111.3084



73.9906, 72.6893, 110.7264

# Sweetspot

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



73.6288, 72.6926, 53.8674



87.6499, 90.7637, 89.2807



71.0746, 59.6326, 77.5296



18.5186, 19.1217, 18.4782



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.



73.6288, 72.6926, 53.8674



70.0648, 67.9336, 45.3760



83.7870, 93.0090, 57.2535



18.6763, 19.3208, 18.8893



24.8210, 17.6533, 2.0992



2.5237, 1.9328, 0.2401

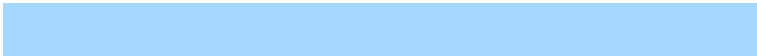


# Inverse Universe

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



63.2265, 69.2841, 104.6485



58.0731, 63.9992, 103.9000



54.6517, 52.1344, 101.7902



17.8375, 19.0465, 22.9862



14.5803, 14.0702, 51.3819



1.5287, 1.5881, 5.0392



# Previews

## White Background



This preview shows how the XYZ color 73.6271, 72.6893, 53.8659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

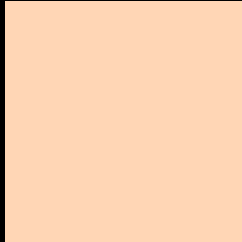
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6271, 72.6893, 53.8659 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

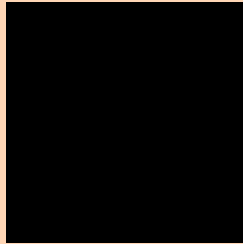
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.6271, 72.6893, 53.8659**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6271, 72.6893, 53.8659.



This preview shows how white text looks on a background with the XYZ color 73.6271, 72.6893,



# 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

73.6271, 72.6893, 53.8659

### Protanopia

68.5451, 72.7081, 56.3203

### Deuteranopia

73.9383, 72.8138, 55.5049



## Tritanopia

77.7411, 72.7350, 80.4629

# Trichromacy



## Original Color

73.6271, 72.6893, 53.8659

## Protanomaly

70.3411, 72.4807, 55.6302

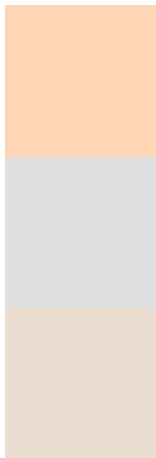
## Deuteranomaly

73.8338, 72.7720, 54.9547

## Tritanomaly

75.9194, 72.4026, 69.6482

# Monochromacy



## Original Color

73.6271, 72.6893, 53.8659

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

71.2393, 73.4026, 70.0879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6271, 72.6893, 53.8659 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6271, 72.6893, 53.8659 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, 181) }
```



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

```
.border{ border-color:rgb(255, 214, 181) }
```

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, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6271, 72.6893, 53.8659 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, 181) }
```

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

```
.background{ background-color: rgb(255,  
214, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor