

# Converting Colors

XYZ(124.0387, 100.0000,  
40.4311)

Have a look what the booklet for  
XYZ(124.0387, 100.0000, 40.4311)  
contains.

<b>XYZ(71.3193, 72.9923, 37.9338)</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(71.3193, 72.9923,  
37.9338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD993
RGB	255, 217, 147
RGB Percent	100%, 85%, 58%
CMY	0.0000, 0.1490, 0.4235
CMYK	0.00, 0.15, 0.42, 0.00
HSL	39°, 100%, 79%
HSV	39°, 42%, 100%
XYZ	71.3193, 72.9923, 37.9338
YIQ	220.3820, 45.1180, -13.7140

# Conversions

## Conversions Part 2

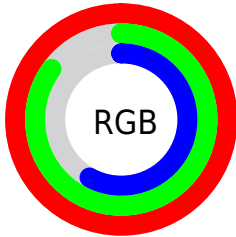
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 255, 147
Decimal	16767379
CIE Lab	88.44, 4.16, 39.35
CIE LCh	88, 39.566, 83.961
Yxy	72.9923, 0.3913, 0.4005
Android (android.graphics.Color)	4294957459 (0xFFFFD993)
YUV	220.3820, -36.1773, 30.3600
Hunter-Lab	85.4355, -0.5051, 33.4798

# Details

The XYZ color **71.3193, 72.9923, 37.9338** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.4310, 48.1193, 101.3956**, and the grayscale version is **68.5189, 72.0872, 78.5030**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **37.7508, 38.4026, 16.2492** is the 20% darker color. If you saturate the color by 10%, you get **67.2866, 67.7820, 27.7880**, and if you desaturate by 10%, it is **75.9249, 78.6383, 50.4602**.

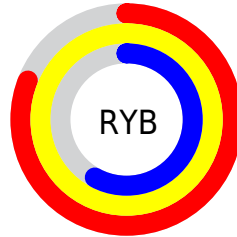
# Distribution



Red (100%)

Green (85%)

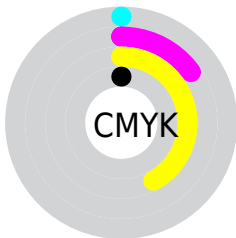
Blue (58%)



Red (81%)

Yellow (100%)

Blue (58%)

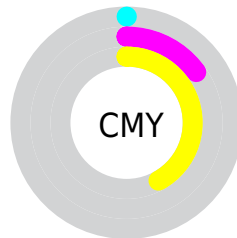


Cyan (0%)

Magenta (15%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3193, 72.9923, 37.9338 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 71.3193, 72.9923, 37.9338 by changing the saturation by 10% instead.





 71.3193, 72.9923,  
37.9338


 71.3193, 72.9923,  
37.9338


454.3633,  
470.9881, 352.6256

 52.8863, 53.9697,  
25.6299


 120.1043,  
123.4663, 73.2090

 37.9391, 38.5774,  
16.3237


 151.1870,  
155.6864, 97.0173

 26.1124, 26.4311,  
9.5967


187.2170,  
193.0745, 125.4975

 17.0409, 17.1465,  
5.0303

228.5596,  
236.0149, 159.0681

 10.3591, 10.3390,  
2.2060

275.5802,  
284.8921, 198.1477

 5.7018, 5.6243,  
0.6778

328.6441,

 2.7035, 2.6180,

340.0905, 243.1547

0.0000

388.1167,  
401.9943, 294.5079

0.9990, 0.9357,  
0.0000

0.0000, 0.0000,  
0.0000

71.3193, 72.9923,  
37.9338

71.3193, 72.9923,  
37.9338

67.2866, 67.7820,  
27.7880

75.9249, 78.6383,  
50.4602

63.7897, 62.9813,  
19.8614

81.1267, 84.7243,  
65.5050

60.7952, 58.5762,  
13.9799

86.9533, 91.2674,  
83.2011

58.2626, 54.5474,  
9.9408

93.4296, 98.2807,  
103.6702

■ 56.1434, 50.8719, 95.0499, 100.0000,  
7.4990 108.9000

■ 54.7477, 48.2756,  
6.4326

# Harmonies

## Analogous

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



80.7049, 72.9923, 44.1957



71.3193, 72.9923, 37.9338



62.2103, 72.9923, 40.5724

# Triad

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



71.3193, 72.9923, 37.9338



53.9679, 72.9923, 102.7061



85.2443, 72.9923, 114.4534

# Complementary

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



71.3193, 72.9923, 37.9338



47.4310, 48.1193, 101.3956

# 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.



77.0739, 72.9923, 137.6040



71.3193, 72.9923, 37.9338



59.1620, 72.9923, 129.8091

# Square

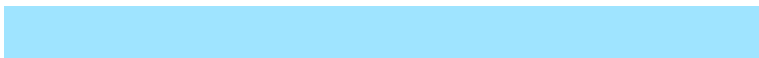
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3193, 72.9923, 37.9338



52.7300, 72.9923, 74.0911



67.4703, 72.9923, 143.7846



89.2037, 72.9923, 85.1161

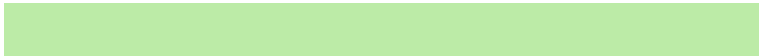


# Rectangle

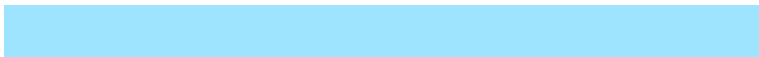
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.3193, 72.9923, 37.9338



57.4382, 72.9923, 47.4168



67.4703, 72.9923, 143.7846



82.8652, 72.9923, 123.4634

# Sweetspot

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



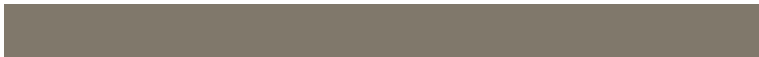
71.3211, 72.9957, 37.9353



86.5565, 90.8295, 81.9717



60.6010, 45.6989, 52.4170



18.2416, 19.1250, 16.6676



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.



71.3211, 72.9957, 37.9353



67.8000, 68.4625, 29.0264



77.1658, 92.2570, 41.3450



18.9920, 19.9521, 18.9945



28.7525, 25.5163, 3.4097



2.9023, 2.6899, 0.3662



# Inverse Universe

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



47.4310, 48.1193, 101.3956



41.0067, 40.5893, 100.2810



43.2631, 35.7070, 99.2195



17.5257, 18.4230, 22.8822



11.4554, 7.8204, 50.3403



1.2135, 0.9576, 4.9342



# Previews

## White Background



This preview shows how the XYZ color 71.3193, 72.9923, 37.9338 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 71.3193, 72.9923, 37.9338 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 71.3193, 72.9923, 37.9338**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3193, 72.9923, 37.9338.



This preview shows how white text looks on a background with the XYZ color 71.3193, 72.9923,

37.9338.

# 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

71.3193, 72.9923, 37.9338

### Protanopia

67.8217, 73.1133, 38.9715

### Deuteranopia

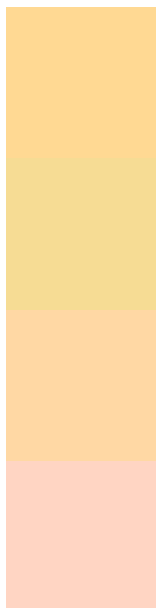
73.0833, 72.8780, 49.7501



## Tritanopia

77.8535, 73.1762, 79.8331

# Trichromacy



## Original Color

71.3193, 72.9923, 37.9338

## Protanomaly

68.9445, 72.9173, 38.4577

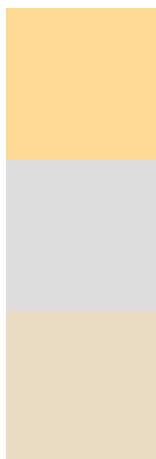
## Deuteranomaly

72.4967, 73.0521, 45.4014

## Tritanomaly

74.8846, 72.7886, 61.7325

# Monochromacy



## Original Color

71.3193, 72.9923, 37.9338

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.5614, 71.8369, 60.7044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3193, 72.9923, 37.9338 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, 217, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 147)  
}
```

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, 217, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3193, 72.9923, 37.9338 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, 217, 147) }
```



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

```
.border{ border-color:rgb(255, 217, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3193, 72.9923, 37.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 147) }
```

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

```
.background{ background-color: rgb(255,  
217, 147) }
```

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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