

# Converting Colors

XYZ(73.7106, 77.4155, 39.8388)

Have a look what the booklet for  
XYZ(73.7106, 77.4155, 39.8388)  
contains.

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# Color

**XYZ(73.6702, 77.3124,  
39.8941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE196
RGB	255, 225, 150
RGB Percent	100%, 88%, 59%
CMY	0.0000, 0.1176, 0.4118
CMYK	0.00, 0.12, 0.41, 0.00
HSL	43°, 100%, 79%
HSV	43°, 41%, 100%
XYZ	73.6702, 77.3124, 39.8941
YIQ	225.4200, 41.9550, -16.9650

# Conversions

## Conversions Part 2

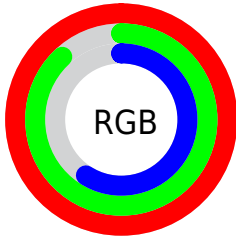
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 255, 150
Decimal	16769430
CIE <sub>Lab</sub>	90.47, 0.39, 40.45
CIE <sub>LCh</sub>	90, 40.449, 89.449
Yxy	77.3124, 0.3860, 0.4050
Android (android.graphics.Color)	4294959510 (0xFFFFE196)
YUV	225.4200, -37.1821, 25.9417
Hunter-Lab	87.9275, -4.3165, 34.6484

# Details

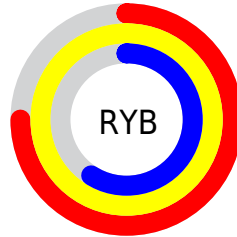
The XYZ color **73.6702, 77.3124, 39.8941** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.9484, 46.3450, 101.0786**, and the grayscale version is **72.1102, 75.8655, 82.6176**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **39.6053, 41.5016, 17.4785** is the 20% darker color. If you saturate the color by 10%, you get **69.9093, 72.7268, 29.5888**, and if you desaturate by 10%, it is **77.9658, 82.2519, 52.5836**.

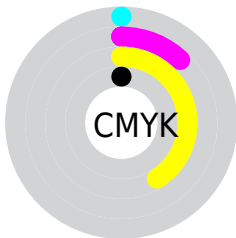
# Distribution



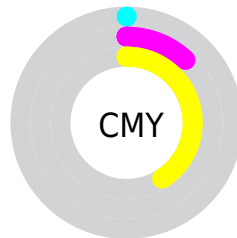
- Red (100%)
- Green (88%)
- Blue (59%)



- Red (75%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (12%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6702, 77.3124, 39.8941 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 73.6702, 77.3124, 39.8941 by changing the saturation by 10% instead.





 73.6702, 77.3124,  
39.8941


 73.6702, 77.3124,  
39.8941


462.4022,  
485.8285, 361.2158

 54.8145, 57.5093,  
27.1428


 123.4262,  
129.5804, 76.2375

 39.4865, 41.4143,  
17.4471


 155.0572,  
162.8140, 100.6668

 27.3208, 28.6429,  
10.3885

191.6773,  
201.2934, 129.8258

 17.9521, 18.8109,  
5.5483

233.6519,  
245.4027, 164.1331

 11.0151, 11.5337,  
2.5081

281.3463,  
295.5265, 204.0072

 6.1444, 6.4270,  
0.8445

335.1260,

 2.9746, 3.1064,

352.0492, 249.8667

0.0000

395.3561,  
415.3550, 302.1300

■ 1.1403, 1.1876,  
0.0000

■ 0.0584, 0.0515,  
0.0000

■ 73.6702, 77.3124,  
39.8941

■ 73.6702, 77.3124,  
39.8941

■ 69.9093, 72.7268,  
29.5888

■ 77.9658, 82.2519,  
52.5836

■ 66.6471, 68.4706,  
21.5084

■ 82.8179, 87.5474,  
67.7931

■ 63.8515, 64.5322,  
15.4816

■ 88.2542, 93.2141,  
85.6540

■ 61.4840, 60.8944,  
11.3098

■ 94.2984, 99.2631,  
106.2870

■ 59.4981, 57.5369, 95.0499, 100.0000,  
8.7545 108.9000

■ 58.0001, 54.7803,  
7.5167

# Harmonies

## Analogous

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



83.8093, 77.3124, 44.7751



73.6702, 77.3124, 39.8941



64.3378, 77.3124, 44.4246

# Triad

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



73.6702, 77.3124, 39.8941



57.8280, 77.3124, 114.6112



91.5192, 77.3124, 115.7540

# Complementary

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



73.6702, 77.3124, 39.8941



46.9484, 46.3450, 101.0786

# 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.



83.4564, 77.3124, 142.5332



73.6702, 77.3124, 39.8941



64.0420, 77.3124, 141.7740

# Square

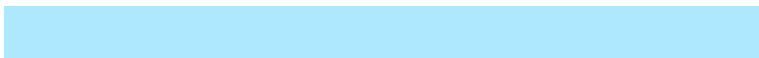
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6702, 77.3124, 39.8941



55.7150, 77.3124, 83.6459



73.2964, 77.3124, 152.9897



94.6764, 77.3124, 84.7165

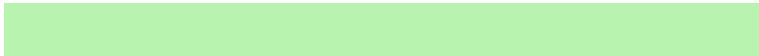


# Rectangle

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



73.6702, 77.3124, 39.8941



59.6855, 77.3124, 52.9363



73.2964, 77.3124, 152.9897



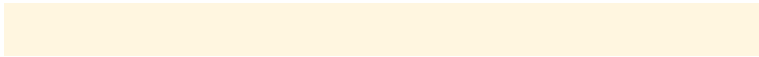
89.2584, 77.3124, 125.7901

# Sweetspot

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



73.6721, 77.3160, 39.8957



87.7834, 92.7327, 84.0783



60.5387, 46.4302, 49.7576



18.6314, 19.6864, 17.4700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

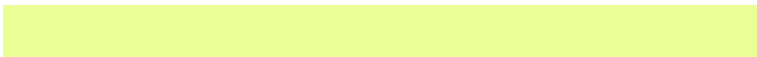
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6721, 77.3160, 39.8957



70.6843, 73.6965, 31.6361



75.1969, 91.2144, 42.4980



19.0970, 20.1623, 19.0295



30.4402, 28.8917, 3.9723



3.0572, 2.9998, 0.4179



# Inverse Universe

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



46.9484, 46.3450, 101.0786



40.8531, 39.1488, 100.0110



45.7517, 37.6915, 99.4714



17.4255, 18.2227, 22.8489



10.7803, 6.4701, 50.1153



1.1381, 0.8068, 4.9090



# Previews

## White Background



This preview shows how the XYZ color 73.6702, 77.3124, 39.8941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

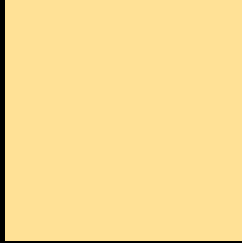
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6702, 77.3124, 39.8941 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 73.6702, 77.3124, 39.8941

## Background



This preview shows how black text looks on a background with the XYZ color 73.6702, 77.3124, 39.8941.



This preview shows how white text looks on a background with the XYZ color 73.6702, 77.3124,



# 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

73.6702, 77.3124, 39.8941

### Protanopia

71.6871, 77.4953, 40.4579

### Deuteranopia

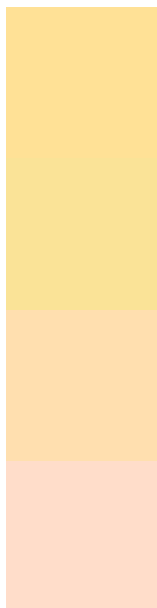
76.5466, 77.1767, 59.0063



## Tritanopia

80.7352, 77.1723, 86.2418

# Trichromacy



## Original Color

73.6702, 77.3124, 39.8941

## Protanomaly

72.4793, 77.4965, 40.4164

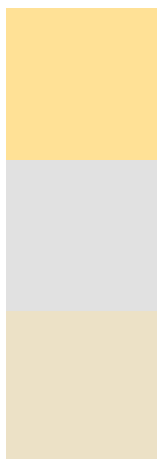
## Deuteranomaly

75.3655, 77.1305, 51.4729

## Tritanomaly

77.7571, 77.2372, 66.6871

# Monochromacy



## Original Color

73.6702, 77.3124, 39.8941

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.7103, 75.7605, 64.2698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6702, 77.3124, 39.8941 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, 225, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 150)  
}
```

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, 225, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6702, 77.3124, 39.8941 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, 225, 150) }
```



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

```
.border{ border-color:rgb(255, 225, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6702, 77.3124, 39.8941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 150) }
```

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

```
.background{ background-color: rgb(255,  
225, 150) }
```

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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