

# Converting Colors

XYZ(74.9806, 79.1581, 44.6331)

Have a look what the booklet for  
XYZ(74.9806, 79.1581, 44.6331)  
contains.

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# Color

**XYZ(74.9616, 79.0957,  
44.5738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE4A0
RGB	254, 228, 160
RGB Percent	100%, 89%, 63%
CMY	0.0039, 0.1059, 0.3725
CMYK	0.00, 0.10, 0.37, 0.00
HSL	43°, 98%, 81%
HSV	43°, 37%, 100%
XYZ	74.9616, 79.0957, 44.5738
YIQ	228.0220, 37.3240, -15.6360

# Conversions

## Conversions Part 2

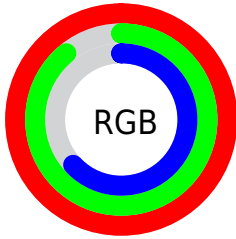
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 254, 160
Decimal	16704672
CIE <sub>Lab</sub>	91.28, -0.44, 36.46
CIE <sub>LCh</sub>	91, 36.461, 90.698
Yxy	79.0957, 0.3774, 0.3982
Android (android.graphics.Color)	4294894752 (0xFFEE4A0)
YUV	228.0220, -33.5348, 22.7827
Hunter-Lab	88.9358, -5.1847, 32.5394

# Details

The XYZ color **74.9616, 79.0957, 44.5738** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.9450, 49.7456, 100.7353**, and the grayscale version is **73.9791, 77.8318, 84.7588**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **40.4153, 42.7056, 20.3003** is the 20% darker color. If you saturate the color by 10%, you get **71.0701, 74.5126, 33.4117**, and if you desaturate by 10%, it is **79.3896, 84.0247, 58.1560**.

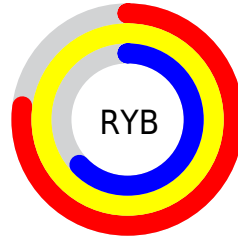
# Distribution



Red (100%)

Green (89%)

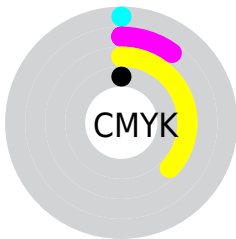
Blue (63%)



Red (77%)

Yellow (100%)

Blue (63%)

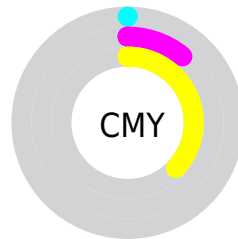


Cyan (0%)

Magenta (10%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9616, 79.0957, 44.5738 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 74.9616, 79.0957, 44.5738 by changing the saturation by 10% instead.





 74.9616, 79.0957,  
44.5738


 74.9616, 79.0957,  
44.5738


466.7848,  
491.8800, 381.1544

 55.8755, 58.9745,  
30.7814

 125.2462,  
132.0936, 83.3921

 40.3397, 42.5926,  
20.1753


 157.1754,  
165.7390, 109.2551

 27.9889, 29.5656,  
12.3372


194.1164,  
204.6614, 139.9787

 18.4577, 19.5091,  
6.8485

236.4344,  
249.2450, 175.9814

 11.3808, 12.0387,  
3.2905

284.4949,  
299.8743, 217.6818

 6.3927, 6.7700,  
1.2448

338.6633,

 3.1282, 3.3187,

356.9336, 265.4984

0.0159

399.3048,  
420.8074, 319.8497

■ 1.2219, 1.3003,  
0.0000

■ 0.1236, 0.1414,  
0.0000

■ 74.9616, 79.0957,  
44.5738

■ 74.9616, 79.0957,  
44.5738

■ 71.0701, 74.5126,  
33.4117

■ 79.3896, 84.0247,  
58.1560

■ 67.6804, 70.2515,  
24.5179

■ 84.3744, 89.3007,  
74.2878

■ 64.7625, 66.3018,  
17.7311

■ 89.9426, 94.9385,  
93.0955

■ 62.2807, 62.6477,  
12.8665

94.6830, 99.8108,  
108.8828

■ 60.1925, 59.2706,  
9.7069

■ 58.4447, 56.1476,  
7.9755

■ 57.9638, 55.2525,  
7.6098

# Harmonies

## Analogous

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



84.2217, 79.0957, 48.9052



74.9616, 79.0957, 44.5738



66.4599, 79.0957, 49.3320

# Triad

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



74.9616, 79.0957, 44.5738



60.9000, 79.0957, 114.8269



91.7770, 79.0957, 113.5297

# Complementary

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



74.9616, 79.0957, 44.5738



49.9450, 49.7456, 100.7353

# 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.



84.6272, 79.0957, 137.7577



74.9616, 79.0957, 44.5738



66.8062, 79.0957, 138.6083

# Square

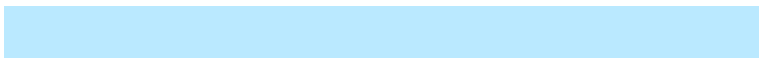
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9616, 79.0957, 44.5738



58.7612, 79.0957, 86.7439



75.3950, 79.0957, 147.7461



94.3991, 79.0957, 85.5027

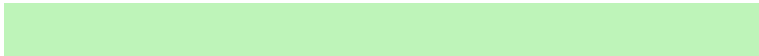


# Rectangle

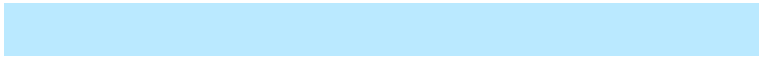
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9616, 79.0957, 44.5738



62.2395, 79.0957, 57.7225



75.3950, 79.0957, 147.7461



89.7960, 79.0957, 122.5769

# Sweetspot

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



74.9636, 79.0994, 44.5754



88.4334, 93.4737, 86.0182



62.3748, 49.7854, 53.1311



18.7648, 19.8418, 17.8581



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.



74.9636, 79.0994, 44.5754



72.8312, 76.5339, 36.8411



75.5987, 90.8522, 46.8105



19.1116, 20.1914, 19.0344



30.6895, 29.3901, 4.0554



3.0799, 3.0451, 0.4254



# Inverse Universe

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



49.9450, 49.7456, 100.7353



44.4457, 43.2471, 100.6127



49.3689, 42.0457, 99.2795



17.4118, 18.1952, 22.8443



10.6995, 6.3085, 50.0883



1.1287, 0.7880, 4.9059



# Previews

## White Background



This preview shows how the XYZ color 74.9616, 79.0957, 44.5738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

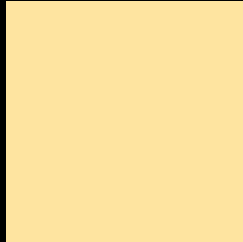
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9616, 79.0957, 44.5738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

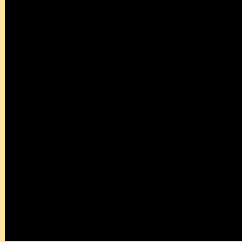
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.9616, 79.0957, 44.5738**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9616, 79.0957, 44.5738.



This preview shows how white text looks on a background with the XYZ color 74.9616, 79.0957,



# 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

74.9616, 79.0957, 44.5738

### Protanopia

73.4412, 79.1233, 45.1198

### Deuteranopia

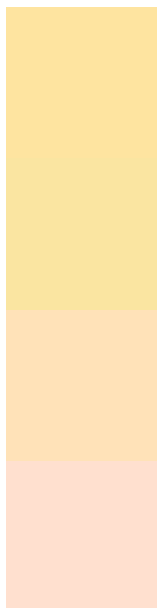
78.2433, 79.1416, 63.9753



## Tritanopia

81.9477, 78.9134, 88.7546

# Trichromacy



## Original Color

74.9616, 79.0957, 44.5738

## Protanomaly

73.8767, 78.9358, 45.0606

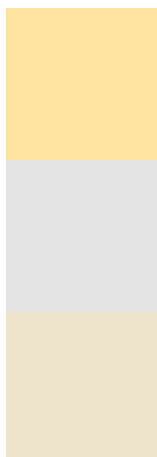
## Deuteranomaly

77.0881, 79.1134, 56.5548

## Tritanomaly

79.1581, 79.0763, 70.1227

# Monochromacy



## Original Color

74.9616, 79.0957, 44.5738

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.4479, 77.8031, 67.6463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9616, 79.0957, 44.5738 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(254, 228, 160)` looks like.

```
.text, #text, p{  
    color:rgb(254, 228, 160)  
}
```

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(254, 228, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 228, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9616, 79.0957, 44.5738 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(254, 228, 160) }
```



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

```
.border{ border-color:rgb(254, 228, 160) }
```

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

Here you see how a box with a 4 pixel rgb(254, 228, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 228, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 228, 160);  
box-shadow:4px 4px 4px 4px rgb(254, 228,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9616, 79.0957, 44.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 228, 160) }
```

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

```
.background{ background-color: rgb(254,  
228, 160) }
```

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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