

# Converting Colors

XYZ(74.5714, 78.1561, 44.0969)

Have a look what the booklet for  
XYZ(74.5714, 78.1561, 44.0969)  
contains.

<b>XYZ(74.3274, 77.9667, 43.9325)</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(74.3274, 77.9667,  
43.9325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE29F
RGB	254, 226, 159
RGB Percent	100%, 89%, 62%
CMY	0.0039, 0.1137, 0.3765
CMYK	0.00, 0.11, 0.37, 0.00
HSL	42°, 98%, 81%
HSV	42°, 37%, 100%
XYZ	74.3274, 77.9667, 43.9325
YIQ	226.7340, 38.1950, -14.9010

# Conversions

## Conversions Part 2

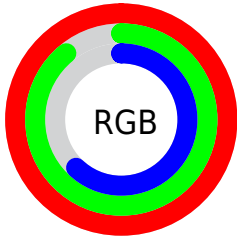
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 254, 159
Decimal	16704159
CIE <sub>Lab</sub>	90.76, 0.46, 36.29
CIE <sub>LCh</sub>	91, 36.292, 89.274
Yxy	77.9667, 0.3788, 0.3973
Android (android.graphics.Color)	4294894239 (0xFFEE29F)
YUV	226.7340, -33.3929, 23.9123
Hunter-Lab	88.2988, -4.2666, 32.3098

# Details

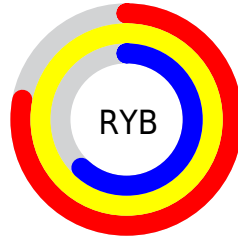
The XYZ color **74.3274, 77.9667, 43.9325** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.9574, 50.0658, 100.7966**, and the grayscale version is **73.0375, 76.8411, 83.6800**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **39.9817, 41.9231, 19.8946** is the 20% darker color. If you saturate the color by 10%, you get **70.3553, 73.1948, 32.8290**, and if you desaturate by 10%, it is **78.8452, 83.1047, 57.4540**.

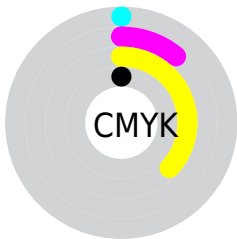
# Distribution



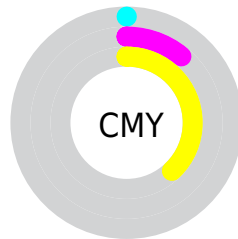
- Red (100%)
- Green (89%)
- Blue (62%)



- Red (78%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3274, 77.9667, 43.9325 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 74.3274, 77.9667, 43.9325 by changing the saturation by 10% instead.





 74.3274, 77.9667,  
43.9325


 74.3274, 77.9667,  
43.9325


464.6354,  
488.0537, 378.4660

 55.3543, 58.0466,  
30.2806


 124.3528,  
130.5032, 82.4176

 39.9204, 41.8461,  
19.7978

 156.1358,  
163.8884, 108.0878

 27.6604, 28.9808,  
12.0656


192.9195,  
202.5307, 138.6013

 18.2090, 19.0663,  
6.6653

235.0692,  
246.8146, 174.3766

 11.2007, 11.7182,  
3.1784

282.9503,  
297.1245, 215.8322

 6.2703, 6.5521,  
1.1864

336.9281,

 3.0523, 3.1836,

353.8447, 263.3866

0.0000

397.3681,  
417.3596, 317.4583

■ 1.1815, 1.2283,  
0.0000

■ 0.0917, 0.0847,  
0.0000

■ 74.3274, 77.9667,  
43.9325

■ 74.3274, 77.9667,  
43.9325

■ 70.3553, 73.1948,  
32.8290

■ 78.8452, 83.1047,  
57.4540

■ 66.8940, 68.7647,  
23.9911

■ 83.9295, 88.6105,  
73.5236

■ 63.9133, 64.6654,  
17.2567

■ 89.6069, 94.4992,  
92.2679

■ 61.3768, 60.8805,  
12.4399

94.6831, 99.8108,  
108.8828

■ 59.2417, 57.3909,  
9.3218

■ 57.4530, 54.1728,  
7.6179

■ 57.0237, 53.3721,  
7.2964

# Harmonies

## Analogous

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



83.4287, 77.9667, 48.6316



74.3274, 77.9667, 43.9325



65.8583, 77.9667, 48.1941

# Triad

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



74.3274, 77.9667, 43.9325



59.8395, 77.9667, 111.8884



90.2210, 77.9667, 113.2184

# Complementary

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



74.3274, 77.9667, 43.9325



49.9574, 50.0658, 100.7966

# 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.



83.0130, 77.9667, 136.6560



74.3274, 77.9667, 43.9325



65.5032, 77.9667, 135.7839

# Square

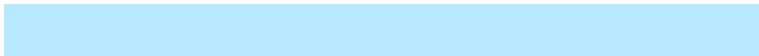
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.3274, 77.9667, 43.9325



57.9201, 77.9667, 84.2578



73.8831, 77.9667, 145.6485



93.0548, 77.9667, 85.5303

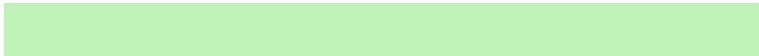


# Rectangle

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



74.3274, 77.9667, 43.9325



61.5965, 77.9667, 56.1657



73.8831, 77.9667, 145.6485



88.2017, 77.9667, 122.0475

# Sweetspot

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



74.3294, 77.9703, 43.9341



88.2778, 93.1624, 85.9663



62.2950, 49.4773, 53.5625



18.7276, 19.7673, 17.8457



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

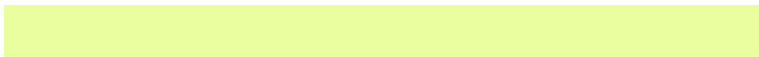
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.3294, 77.9703, 43.9341



71.8976, 74.9719, 35.5893



75.9611, 91.0492, 46.3726



19.0827, 20.1335, 19.0247



30.1979, 28.4069, 3.8915



3.0352, 2.9557, 0.4105



# Inverse Universe

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



49.9574, 50.0658, 100.7966



44.0558, 43.1141, 100.6076



48.6484, 41.4180, 99.1964



17.4392, 18.2499, 22.8534



10.8630, 6.6357, 50.1429



1.1476, 0.8258, 4.9122



# Previews

## White Background



This preview shows how the XYZ color 74.3274, 77.9667, 43.9325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

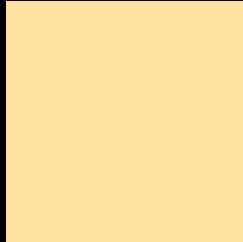
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3274, 77.9667, 43.9325 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 74.3274, 77.9667, 43.9325**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3274, 77.9667, 43.9325.



This preview shows how white text looks on a background with the XYZ color 74.3274, 77.9667,



# 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

74.3274, 77.9667, 43.9325

### Protanopia

72.4463, 77.7990, 44.4561

### Deuteranopia

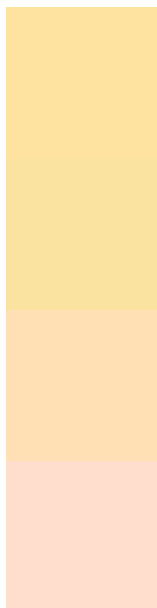
77.2533, 77.8856, 61.4138



## Tritanopia

81.1370, 77.7492, 87.0747

# Trichromacy



## Original Color

74.3274, 77.9667, 43.9325

## Protanomaly

73.2386, 77.8002, 44.4146

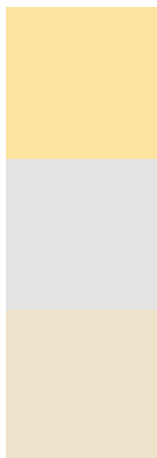
## Deuteranomaly

76.2361, 77.9075, 54.7356

## Tritanomaly

78.3807, 77.9103, 68.6647

# Monochromacy



## Original Color

74.3274, 77.9667, 43.9325

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.0548, 77.2070, 66.9291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3274, 77.9667, 43.9325 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, 226, 159)` looks like.

```
.text, #text, p{  
    color:rgb(254, 226, 159)  
}
```

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, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 226, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3274, 77.9667, 43.9325 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, 226, 159) }
```



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

```
.border{ border-color:rgb(254, 226, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 226, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 226, 159);  
box-shadow:4px 4px 4px 4px rgb(254, 226,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3274, 77.9667, 43.9325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 226, 159) }
```

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

```
.background{ background-color: rgb(254,  
226, 159) }
```

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