

# Converting Colors

XYZ(74.7761, 78.3112, 44.0023)

Have a look what the booklet for  
XYZ(74.7761, 78.3112, 44.0023)  
contains.

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# Color

**XYZ(74.6944, 78.1559,  
43.9497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE29F
RGB	255, 226, 159
RGB Percent	100%, 89%, 62%
CMY	0.0000, 0.1137, 0.3765
CMYK	0.00, 0.11, 0.38, 0.00
HSL	42°, 100%, 81%
HSV	42°, 38%, 100%
XYZ	74.6944, 78.1559, 43.9497
YIQ	227.0330, 38.7910, -14.6890

# Conversions

## Conversions Part 2

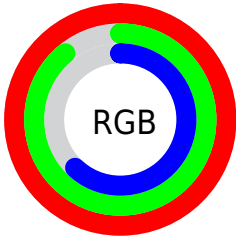
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 255, 159
Decimal	16769695
CIE Lab	90.85, 0.84, 36.42
CIE LCh	91, 36.429, 88.671
Yxy	78.1559, 0.3795, 0.3971
Android (android.graphics.Color)	4294959775 (0xFFFFE29F)
YUV	227.0330, -33.5403, 24.5271
Hunter-Lab	88.4058, -3.8949, 32.4089

# Details

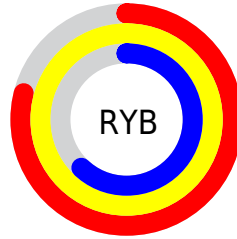
The XYZ color **74.6944, 78.1559, 43.9497** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.3309, 50.5558, 101.7133**, and the grayscale version is **73.2559, 77.0709, 83.9302**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **40.2427, 42.0577, 19.9068** is the 20% darker color. If you saturate the color by 10%, you get **70.6590, 73.2684, 32.7908**, and if you desaturate by 10%, it is **79.2843, 83.4213, 57.5471**.

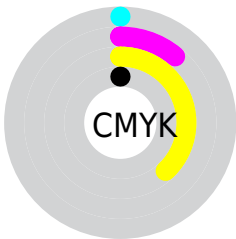
# Distribution



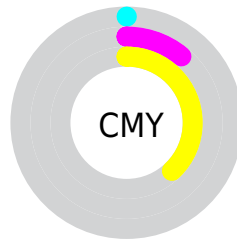
- Red (100%)
- Green (89%)
- Blue (62%)



- Red (79%)
- Yellow (100%)
- Blue (62%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6944, 78.1559, 43.9497 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 74.6944, 78.1559, 43.9497 by changing the saturation by 10% instead.




 74.6944, 78.1559,  
43.9497


 74.6944, 78.1559,  
43.9497


465.8799,  
488.6961, 378.5383

 55.6559, 58.2021,  
30.2941


 124.8699,  
130.7699, 82.4437

 40.1630, 41.9711,  
19.8080


 156.7376,  
164.1988, 108.1192

 27.8504, 29.0787,  
12.0728


193.6123,  
202.8882, 138.6383

 18.3528, 19.1403,  
6.6702

235.8595,  
247.2224, 174.4197

 11.3048, 11.7717,  
3.1814

283.8445,  
297.5860, 215.8819

 6.3410, 6.5884,  
1.1880

337.9327,

 3.0962, 3.2061,

354.3632, 263.4433

0.0000

398.4894,  
417.9384, 317.5226

■ 1.2048, 1.2402,  
0.0000

■ 0.1102, 0.0942,  
0.0000

■ 74.6944, 78.1559,  
43.9497

■ 74.6944, 78.1559,  
43.9497

■ 70.6590, 73.2684,  
32.7908

■ 79.2843, 83.4213,  
57.5471

■ 67.1427, 68.7344,  
23.9163

■ 84.4498, 89.0666,  
73.7149

■ 64.1149, 64.5423,  
17.1619

■ 90.2182, 95.1074,  
92.5808

■ 61.5385, 60.6754,  
12.3393

95.0500, 100.0000,  
108.9000

■ 59.3703, 57.1141,  
9.2263

■ 57.5532, 53.8337,  
7.5299

■ 57.1572, 53.0944,  
7.2357

# Harmonies

## Analogous

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



83.8320, 78.1559, 48.8506



74.6944, 78.1559, 43.9497



66.1447, 78.1559, 48.0464

# Triad

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



74.6944, 78.1559, 43.9497



59.8677, 78.1559, 111.6891



90.3818, 78.1559, 114.1377

# Complementary

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



74.6944, 78.1559, 43.9497



50.3309, 50.5558, 101.7133

# 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.



83.0668, 78.1559, 137.5194



74.6944, 78.1559, 43.9497



65.4915, 78.1559, 135.9134

# Square

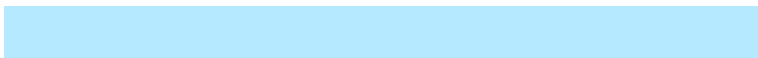
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6944, 78.1559, 43.9497



58.0195, 78.1559, 83.9330



73.8768, 78.1559, 146.2009



93.3370, 78.1559, 86.2747

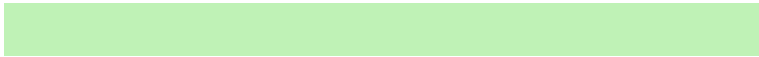


# Rectangle

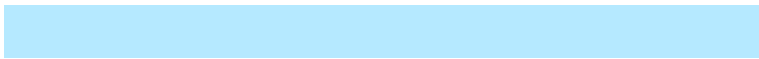
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6944, 78.1559, 43.9497



61.8190, 78.1559, 55.9251



73.8768, 78.1559, 146.2009



88.3231, 78.1559, 122.9785

# Sweetspot

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



74.6963, 78.1595, 43.9513



88.2149, 93.0366, 85.9453



62.8675, 49.7487, 54.6619



18.7125, 19.7372, 17.8407



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

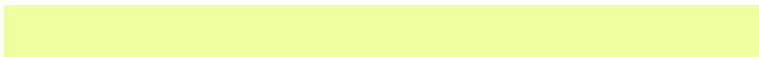
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6963, 78.1595, 43.9513



71.6754, 74.5274, 35.5152



77.0771, 92.0968, 46.5160



19.0710, 20.1101, 19.0208



30.0033, 28.0178, 3.8266



3.0174, 2.9202, 0.4046



# Inverse Universe

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



50.3309, 50.5558, 101.7133



44.2193, 43.4410, 100.6621



48.4894, 41.3175, 100.0271



17.4503, 18.2721, 22.8571



10.9326, 6.7748, 50.1660



1.1555, 0.8417, 4.9148



# Previews

## White Background



This preview shows how the XYZ color 74.6944, 78.1559, 43.9497 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 74.6944, 78.1559, 43.9497 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 74.6944, 78.1559, 43.9497**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6944, 78.1559, 43.9497.



This preview shows how white text looks on a background with the XYZ color 74.6944, 78.1559,



# 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

74.6944, 78.1559, 43.9497

### Protanopia

72.7222, 78.3508, 44.5481

### Deuteranopia

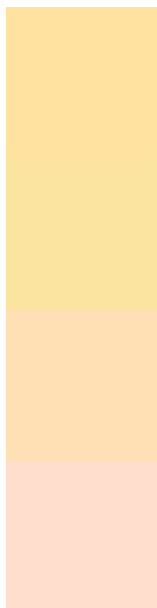
77.2533, 77.8856, 61.4138



## Tritanopia

81.3987, 78.2726, 87.1619

# Trichromacy



## Original Color

74.6944, 78.1559, 43.9497

## Protanomaly

73.5129, 78.3489, 44.5060

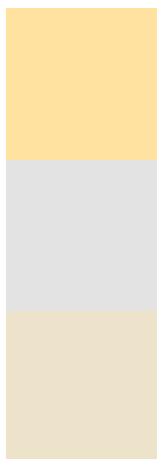
## Deuteranomaly

76.2361, 77.9075, 54.7356

## Tritanomaly

78.3807, 77.9103, 68.6647

# Monochromacy



## Original Color

74.6944, 78.1559, 43.9497

## 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 74.6944, 78.1559, 43.9497 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, 226, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6944, 78.1559, 43.9497 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, 226, 159) }
```



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

```
.border{ border-color:rgb(255, 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(255, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6944, 78.1559, 43.9497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 159) }
```

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

```
.background{ background-color: rgb(255,  
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](#).

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