

# Converting Colors

XYZ(119.2968, 101.9864,  
41.8757)

Have a look what the booklet for  
XYZ(119.2968, 101.9864, 41.8757)  
contains.

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# Color

**XYZ(74.4082, 78.9167,  
39.7445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE495
RGB	255, 228, 149
RGB Percent	100%, 89%, 58%
CMY	0.0000, 0.1059, 0.4157
CMYK	0.00, 0.11, 0.42, 0.00
HSL	45°, 100%, 79%
HSV	45°, 42%, 100%
XYZ	74.4082, 78.9167, 39.7445
YIQ	227.0670, 41.4510, -18.8450

# Conversions

## Conversions Part 2

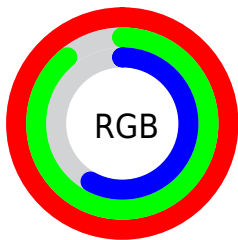
Format	Color
R <sub>Y</sub> B	185, 255, 149
Decimal	16770197
CIE Lab	91.20, -1.23, 41.89
CIE LCh	91, 41.906, 91.689
Yxy	78.9167, 0.3854, 0.4087
Android (android.graphics.Color)	4294960277 (0xFFFFE495)
YUV	227.0670, -38.4870, 24.4972
Hunter-Lab	88.8351, -5.9499, 35.6584

# Details

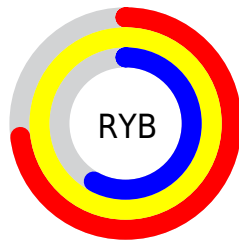
The XYZ color **74.4082, 78.9167, 39.7445** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9694, 44.6588, 100.8048**, and the grayscale version is **73.3142, 77.1322, 83.9970**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **40.1272, 42.6205, 17.4209** is the 20% darker color. If you saturate the color by 10%, you get **70.8387, 74.6867, 29.5866**, and if you desaturate by 10%, it is **78.4945, 83.4665, 52.2752**.

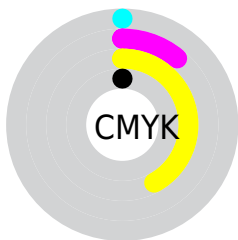
# Distribution



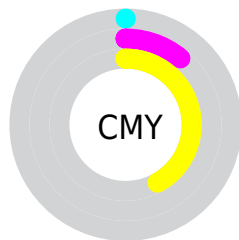
- Red (100%)
- Green (89%)
- Blue (58%)



- Red (73%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (11%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4082, 78.9167, 39.7445 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 74.4082, 78.9167, 39.7445 by changing the saturation by 10% instead.




 74.4082, 78.9167,  
39.7445


 74.4082, 78.9167,  
39.7445


464.9096,  
491.2745, 360.5655

 55.4207, 58.8273,  
27.0271


 124.4667,  
131.8416, 76.0071

 39.9738, 42.4741,  
17.3610


 156.2683,  
165.4459, 100.3894

 27.7022, 29.4727,  
10.3275

193.0721,  
204.3239, 129.4971

 18.2406, 19.4387,  
5.5082

235.2433,  
248.8602, 163.7488

 11.2236, 11.9877,  
2.4845

283.1473,  
299.4389, 203.5629

 6.2858, 6.7353,  
0.8319

337.1494,

 3.0620, 3.2971,

356.4446, 249.3580

0.0000

397.6151,  
420.2617, 301.5527

■ 1.1866, 1.2888,  
0.0000

■ 0.0958, 0.1325,  
0.0000

■ 74.4082, 78.9167,  
39.7445

■ 74.4082, 78.9167,  
39.7445

■ 70.8387, 74.6867,  
29.5866

■ 78.4945, 83.4665,  
52.2752

■ 67.7499, 70.7523,  
21.6417

■ 83.1191, 88.3374,  
67.3150

■ 65.1102, 67.1026,  
15.7376

■ 88.3094, 93.5441,  
84.9954

■ 62.8809, 63.7209,  
11.6748

■ 94.0890, 99.0973,  
105.4374

■ 61.0157, 60.5875, 95.0499, 100.0000,  
9.2128 108.9000

■ 59.6667, 58.1135,  
8.0723

# Harmonies

## Analogous

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



85.1093, 78.9167, 44.0581



74.4082, 78.9167, 39.7445



64.7900, 78.9167, 45.1706

# Triad

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



74.4082, 78.9167, 39.7445



58.9478, 78.9167, 120.4319



94.4480, 78.9167, 116.7345

# Complementary

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



74.4082, 78.9167, 39.7445



45.9694, 44.6588, 100.8048

# 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.



86.2474, 78.9167, 145.8741



74.4082, 78.9167, 39.7445



65.7393, 78.9167, 148.3388

# Square

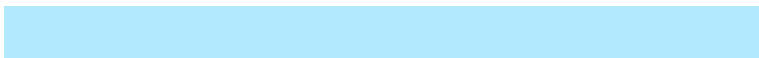
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4082, 78.9167, 39.7445



56.4018, 78.9167, 87.6607



75.6109, 78.9167, 158.5910



97.3128, 78.9167, 84.2161

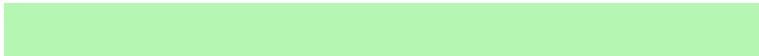


# Rectangle

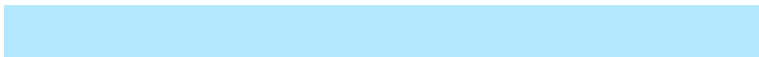
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4082, 78.9167, 39.7445



60.1070, 78.9167, 54.5472



75.6109, 78.9167, 158.5910



92.1881, 78.9167, 127.4929

# Sweetspot

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



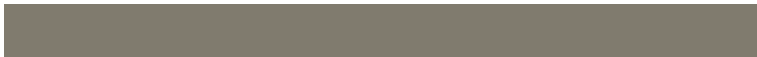
74.4101, 78.9204, 39.7461



88.0731, 93.3120, 84.1748



59.9504, 45.9407, 47.4431



18.6998, 19.8233, 17.4928



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.



74.4101, 78.9204, 39.7461



71.3659, 75.3304, 31.0288



73.9039, 90.5571, 42.0189



19.1466, 20.2614, 19.0460



31.3033, 30.6178, 4.2600



3.1354, 3.1561, 0.4439



# Inverse Universe

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



45.9694, 44.6588, 100.8048



39.4425, 36.9014, 99.6516



46.1944, 37.6839, 99.4466



17.3789, 18.1294, 22.8333



10.5175, 5.9445, 50.0277



1.1071, 0.7449, 4.8987



# Previews

## White Background



This preview shows how the XYZ color 74.4082, 78.9167, 39.7445 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 74.4082, 78.9167, 39.7445 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 74.4082, 78.9167, 39.7445**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4082, 78.9167, 39.7445.



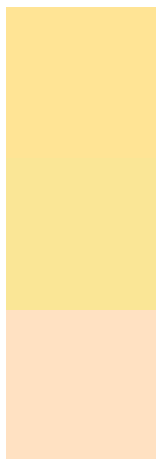
This preview shows how white text looks on a background with the XYZ color 74.4082, 78.9167,



# 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

74.4082, 78.9167, 39.7445

### Protanopia

73.2262, 79.1196, 40.2663

### Deuteranopia

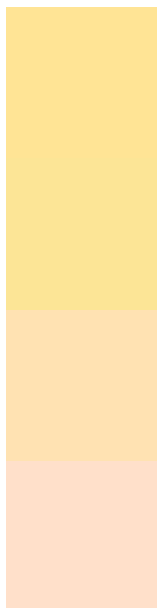
77.9028, 79.0055, 62.1826



## Tritanopia

81.8044, 78.8561, 88.0000

# Trichromacy



## Original Color

74.4082, 78.9167, 39.7445

## Protanomaly

73.6692, 78.9361, 40.2076

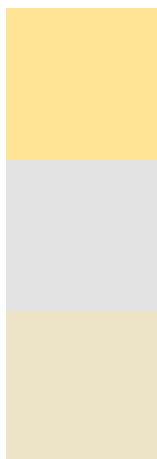
## Deuteranomaly

76.4722, 78.8671, 53.3118

## Tritanomaly

78.5563, 78.8356, 66.9535

# Monochromacy



## Original Color

74.4082, 78.9167, 39.7445

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.7029, 77.0662, 65.0762

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4082, 78.9167, 39.7445 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, 228, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 149)  
}
```

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, 228, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4082, 78.9167, 39.7445 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, 228, 149) }
```



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

```
.border{ border-color:rgb(255, 228, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 149); box-shadow:4px 4px 4px 4px rgb(255, 228, 149) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4082, 78.9167, 39.7445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 149) }
```

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

```
.background{ background-color: rgb(255,  
228, 149) }
```

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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