

Converting Colors

XYZ(81.7882, 82.6129, 40.1939)

Have a look what the booklet for
XYZ(81.7882, 82.6129, 40.1939)
contains.

| | |
|--|----|
| XYZ(74.4082, 78.9167, 39.7445) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

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

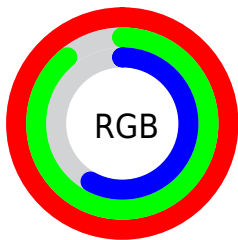
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 185, 255, 149 |
| Decimal | 16770197 |
| CIE Lab | 91.20, -1.23, 41.89 |
| CIE LCh | 91, 41.906, 91.689 |
| Yxy | 78.9167, 0.3854, 0.4087 |
| Android (android.graphics.Color) | 4294960277 (0xFFFFE495)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

Details

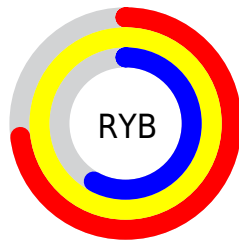
The XYZ color **74.4082, 78.9167, 39.7445** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9694, 44.6588, 100.8048**, and the grayscale version is **73.3142, 77.1322, 83.9970**.

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**.

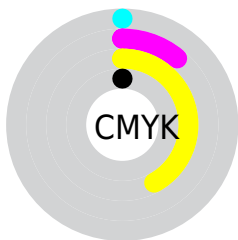
Distribution



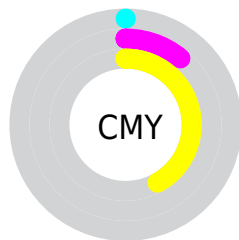
- Red (100%)
- Green (89%)
- Blue (58%)



- 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

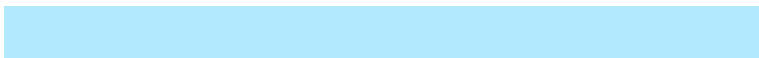
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4082, 78.9167, 39.7445



56.4018, 78.9167, 87.6607



75.6109, 78.9167, 158.5910



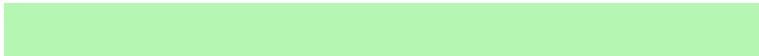
97.3128, 78.9167, 84.2161

Rectangle

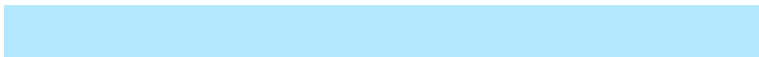
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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

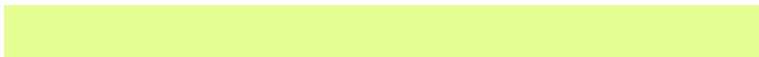
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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

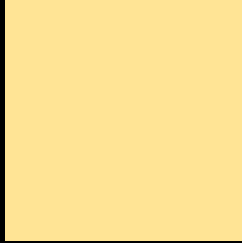
Large Text (above 18pt) WCAG AA × Fail

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.



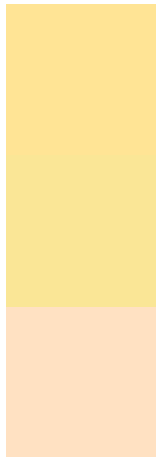
This preview shows how white text looks on a background with the XYZ color 74.4082, 78.9167,

39.7445.

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

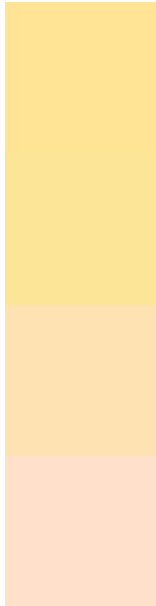
77.9028, 79.0055, 62.1826



Tritanopia

81.8044, 78.8561, 88.0000

Trichromacy



Original Color

74.4082, 78.9167, 39.7445

Protanomaly

73.6692, 78.9361, 40.2076

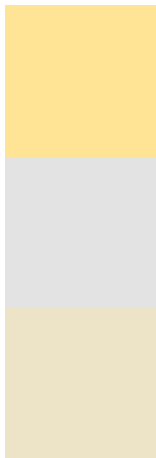
Deuteranomaly

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](#).

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