

# Converting Colors

XYZ(71.5833, 78.9551, 47.0643)

Have a look what the booklet for  
XYZ(71.5833, 78.9551, 47.0643)  
contains.

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# Color

**XYZ(71.5833, 78.9551,  
47.0643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E8A5
RGB	240, 232, 165
RGB Percent	94%, 91%, 65%
CMY	0.0588, 0.0902, 0.3529
CMYK	0.00, 0.03, 0.31, 0.06
HSL	54°, 71%, 79%
HSV	54°, 31%, 94%
XYZ	71.5833, 78.9551, 47.0643
YIQ	226.7540, 26.2750, -19.1410

# Conversions

## Conversions Part 2

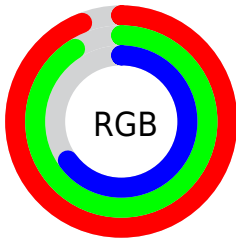
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 240, 165
Decimal	15788197
CIELab	91.21, -7.22, 33.63
CIELCh	91, 34.398, 102.111
Yxy	78.9551, 0.3623, 0.3996
Android (android.graphics.Color)	4293978277 (0xFFFF0E8A5)
YUV	226.7540, -30.4447, 11.6167
Hunter-Lab	88.8567, -11.6989, 30.7958

# Details

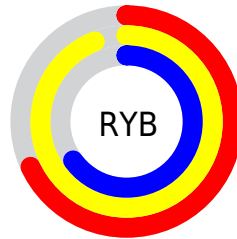
The XYZ color **71.5833, 78.9551, 47.0643** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.1885, 44.1765, 88.5307**, and the grayscale version is **73.0374, 76.8411, 83.6799**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **38.1752, 42.6814, 21.5555** is the 20% darker color. If you saturate the color by 10%, you get **68.8865, 76.7353, 36.3808**, and if you desaturate by 10%, it is **74.7045, 81.3670, 59.9134**.

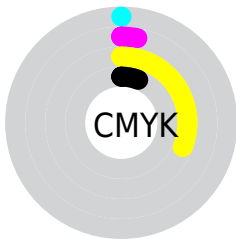
# Distribution



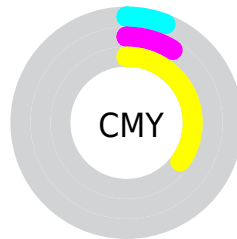
- Red (94%)
- Green (91%)
- Blue (65%)



- Red (68%)
- Yellow (94%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (31%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5833, 78.9551, 47.0643 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 71.5833, 78.9551, 47.0643 by changing the saturation by 10% instead.



71.5833, 78.9551,  
47.0643

71.5833, 78.9551,  
47.0643

455.2701,  
491.4044, 391.4723

53.1026, 58.8589,  
32.7318

120.4779,  
131.8956, 87.1606

38.1125, 42.4995,  
21.6516

151.6225,  
165.5088, 113.7614

26.2476, 29.4926,  
13.4053

187.7192,  
204.3963, 145.2888

17.1426, 19.4538,  
7.5742

229.1332,  
248.9427, 182.1612

10.4322, 11.9986,  
3.7399

276.2299,  
299.5323, 224.7972

5.7509, 6.7428,  
1.4838

329.3748,

2.7334, 3.3017,

356.5496, 273.6154

0.2058

388.9330,  
420.3788, 329.0342

■ 1.0144, 1.2912,  
0.0000

■ 0.0000, 0.1344,  
0.0000

■ 71.5833, 78.9551,  
47.0643

■ 71.5833, 78.9551,  
47.0643

■ 68.8865, 76.7353,  
36.3808

■ 74.7045, 81.3670,  
59.9134

■ 66.5852, 74.6877,  
27.7370


■ 78.2654, 83.9688,  
75.0348

■ 64.6560, 72.8055,  
21.0015


■ 82.2877, 86.7721,  
92.5341

■ 63.0707, 71.0774,  
16.0257


■ 85.8084, 89.3917,  
107.3395

 61.7967, 69.4903,  
12.6388

 86.5762, 90.9272,  
107.5954


 60.7952, 68.0287,  
10.6362

 87.3546, 92.4841,  
107.8549

 60.0879, 66.8307,  
9.7326

 88.1438, 94.0625,  
108.1179

 88.9438, 95.6624,  
108.3846

 89.7452, 97.2653,  
108.6517

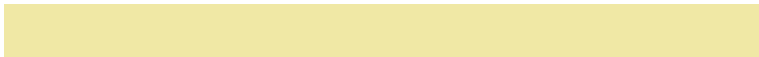
# Harmonies

## Analogous

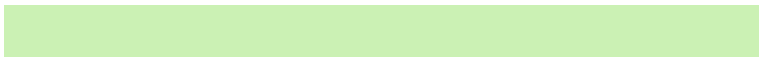
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3106, 78.9551, 47.9073



71.5833, 78.9551, 47.0643



64.3590, 78.9551, 55.0544

# Triad

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



71.5833, 78.9551, 47.0643



63.2867, 78.9551, 122.3334



92.1481, 78.9551, 101.5695

# Complementary

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



71.5833, 78.9551, 47.0643



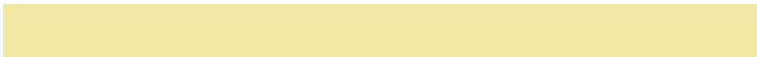
46.1885, 44.1765, 88.5307

# 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.



86.8517, 78.9551, 126.7127



71.5833, 78.9551, 47.0643



70.0137, 78.9551, 140.2059

# Square

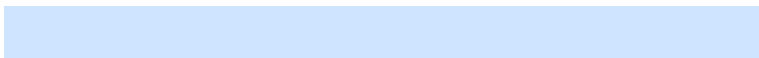
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5833, 78.9551, 47.0643



59.8234, 78.9551, 96.4358



78.6154, 78.9551, 141.9480



92.6503, 78.9551, 76.2878

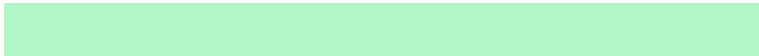


# Rectangle

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



71.5833, 78.9551, 47.0643



61.1863, 78.9551, 65.4170



78.6154, 78.9551, 141.9480



90.8514, 78.9551, 110.4284

# Sweetspot

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



71.5853, 78.9587, 47.0660



90.7972, 97.0582, 90.3298



57.0066, 48.4827, 46.2712



19.2960, 20.6765, 18.7373



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

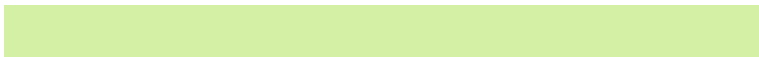
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5853, 78.9587, 47.0660



80.2775, 89.0914, 46.5219



64.8878, 78.9229, 47.4120



16.9706, 18.1543, 16.7594



32.9524, 36.7028, 5.3476



2.7822, 3.1351, 0.4585



# Inverse Universe

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



46.1885, 44.1765, 88.5307



47.1851, 43.7759, 100.5704



51.3681, 44.6388, 88.3469



15.0329, 15.4998, 19.9211



8.8525, 3.9292, 45.4197

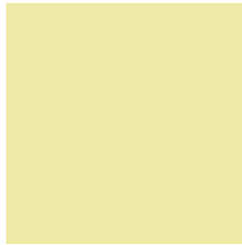


0.7812, 0.4163, 3.7934



# Previews

## White Background



This preview shows how the XYZ color 71.5833, 78.9551, 47.0643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

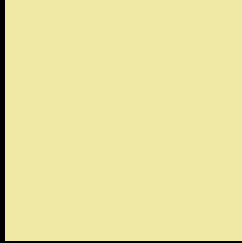
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5833, 78.9551, 47.0643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

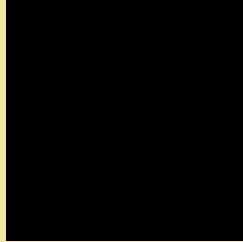
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.5833, 78.9551, 47.0643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.5833, 78.9551, 47.0643.



This preview shows how white text looks on a background with the XYZ color 71.5833, 78.9551,



# 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

71.5833, 78.9551, 47.0643

### Protanopia

73.3554, 79.0481, 46.5135

### Deuteranopia

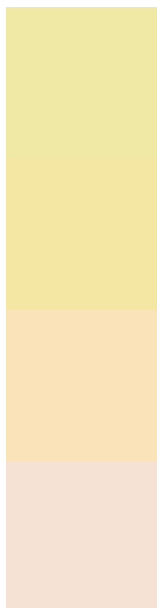
77.9737, 78.6025, 63.8855



## Tritanopia

80.9164, 78.6736, 93.3588

# Trichromacy



## Original Color

71.5833, 78.9551, 47.0643

## Protanomaly

72.5850, 79.0653, 46.5574

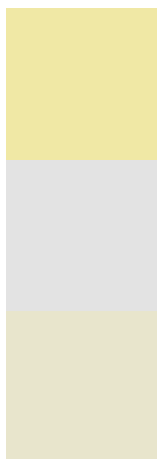
## Deuteranomaly

75.6504, 78.7649, 57.1149

## Tritanomaly

77.2126, 78.7896, 74.0892

# Monochromacy



## Original Color

71.5833, 78.9551, 47.0643

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.1971, 77.5541, 68.2910

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5833, 78.9551, 47.0643 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(240, 232, 165)` looks like.

```
.text, #text, p{  
    color:rgb(240, 232, 165)  
}
```

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(240, 232, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 232, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5833, 78.9551, 47.0643 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(240, 232, 165) }
```



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

```
.border{ border-color:rgb(240, 232, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 232, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 232, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 232, 165);  
box-shadow:4px 4px 4px 4px rgb(240, 232,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5833, 78.9551, 47.0643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 232, 165) }
```

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

```
.background{ background-color: rgb(240,  
232, 165) }
```

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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