

Converting Colors

XYZ(107.8391, 100.0000,
71.7652)

Have a look what the booklet for
XYZ(107.8391, 100.0000, 71.7652)
contains.

XYZ(83.2471, 87.4492, 70.8843)	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(83.2471, 87.4492,
70.8843)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFCE
RGB	255, 239, 206
RGB Percent	100%, 94%, 81%
CMY	0.0000, 0.0627, 0.1921
CMYK	0.00, 0.06, 0.19, 0.00
HSL	40°, 100%, 90%
HSV	40°, 19%, 100%
XYZ	83.2471, 87.4492, 70.8843
YIQ	240.0220, 20.1290, -6.8710

Conversions

Conversions Part 2

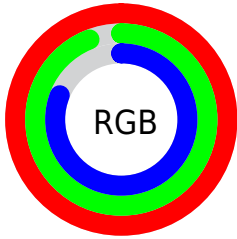
Format	Color
R _{YB}	230, 255, 206
Decimal	16773070
CIE Lab	94.93, 0.25, 17.92
CIE LCh	95, 17.920, 89.208
Yxy	87.4492, 0.3446, 0.3620
Android (android.graphics.Color)	4294963150 (0xFFFEFCE)
YUV	240.0220, -16.7728, 13.1357
Hunter-Lab	93.5143, -4.7480, 20.5179

Details

The XYZ color **83.2471, 87.4492, 70.8843** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.6243, 72.5824, 104.9479**, and the grayscale version is **82.9596, 87.2799, 95.0478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8897, 48.1397, 36.5790** is the 20% darker color. If you saturate the color by 10%, you get **78.0166, 81.5501, 55.0774**, and if you desaturate by 10%, it is **89.0965, 93.7814, 89.3792**.

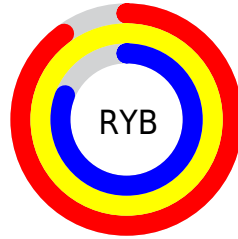
Distribution



Red (100%)

Green (94%)

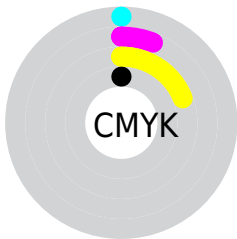
Blue (81%)



Red (90%)

Yellow (100%)

Blue (81%)

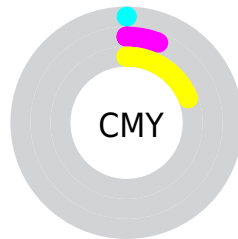


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2471, 87.4492, 70.8843 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 83.2471, 87.4492, 70.8843 by changing the saturation by 10% instead.


 83.2471, 87.4492,
70.8843

 83.2471, 87.4492,
70.8843


494.3812,
519.6978, 482.5216

 62.7116, 65.8670,
51.7665


136.8482,
143.7901, 122.1619

 45.8657, 48.1644,
36.4381


170.6446,
179.3176, 155.1588

 32.3440, 33.9571,
24.4803


209.5919,
220.2623, 193.6191

 21.7812, 22.8607,
15.4748

254.0556,
267.0086, 237.9615

 13.8120, 14.4907,
9.0030

304.4011,
319.9409, 288.6044

 8.0708, 8.4627,
4.6463

360.9935,

 4.1925, 4.3924,

379.4436, 345.9663

1.9862

424.1985,
445.9011, 410.4659

■ 1.8116, 1.8954,
0.5468

■ 0.5246, 0.5456,
0.0000

■ 83.2471, 87.4492,
70.8843

■ 83.2471, 87.4492,
70.8843

■ 78.0166, 81.5501,
55.0774

■ 89.0965, 93.7814,
89.3792

■ 73.3733, 76.0601,
41.8251

95.0500, 100.0000,
108.9000

■ 69.2914, 70.9694,
30.9906

■ 65.7407, 66.2634,
22.4224

■ 62.6877, 61.9263,
15.9514

■ 60.0941, 57.9400,
11.3846

■ 57.9149, 54.2839,
8.4930

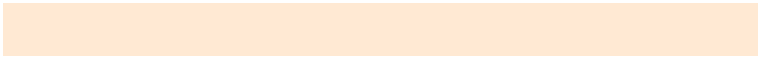
■ 56.0830, 50.9285,
6.9318

■ 55.9476, 50.6752,
6.8325

Harmonies

Analogous

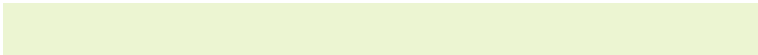
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9944, 87.4492, 74.0267



83.2471, 87.4492, 70.8843



78.6404, 87.4492, 73.7143

Triad

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



83.2471, 87.4492, 70.8843



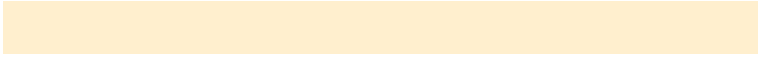
75.2246, 87.4492, 108.8841



91.4071, 87.4492, 109.5864

Complementary

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



83.2471, 87.4492, 70.8843



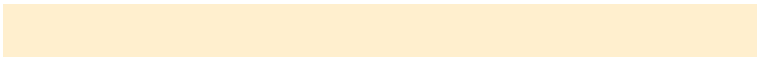
69.6243, 72.5824, 104.9479

Split Complementary

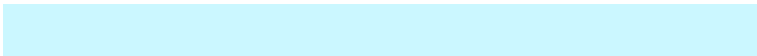
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7621, 87.4492, 120.5415



83.2471, 87.4492, 70.8843



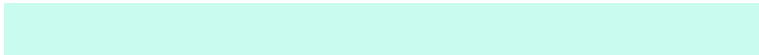
78.4249, 87.4492, 120.1091

Square

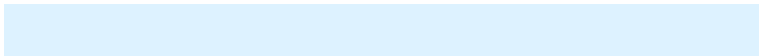
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2471, 87.4492, 70.8843



74.1191, 87.4492, 94.8478



82.9887, 87.4492, 124.5648



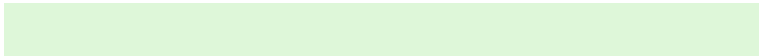
92.8169, 87.4492, 95.5878

Rectangle

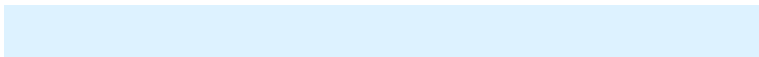
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2471, 87.4492, 70.8843



76.2414, 87.4492, 78.7801



82.9887, 87.4492, 124.5648



90.3958, 87.4492, 113.7952

Sweetspot

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



83.2491, 87.4530, 70.8861



91.1111, 95.9083, 95.9147



76.5415, 70.6954, 78.9540



19.4128, 20.4350, 20.2404



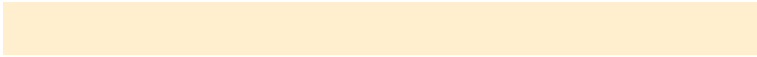
0.0000, 0.0000, 0.0000



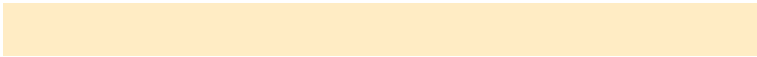
20.3446, 21.4041, 23.3091

Same Dimension

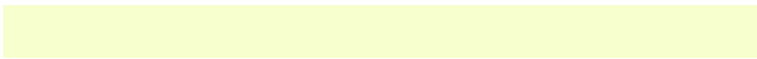
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2491, 87.4530, 70.8861



81.1976, 85.1693, 64.5934



85.1999, 95.7202, 72.3791



19.0322, 20.0325, 19.0079



29.3757, 26.7627, 3.6174



2.9599, 2.8051, 0.3854

Inverse Universe

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



69.6243, 72.5824, 104.9479



65.3326, 67.8558, 104.2618



67.9025, 65.6850, 103.7074



17.4872, 18.3460, 22.8694



11.1775, 7.2645, 50.2477



1.1830, 0.8967, 4.9240

Previews

White Background



This preview shows how the XYZ color 83.2471, 87.4492, 70.8843 looks on a white background.

Color Contrast Check

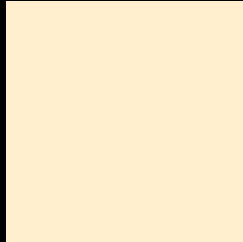
Large Text (above 18pt) WCAG AA × Fail

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 83.2471, 87.4492, 70.8843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

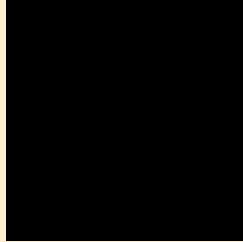
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2471, 87.4492, 70.8843

Background



This preview shows how black text looks on a background with the XYZ color 83.2471, 87.4492, 70.8843.



This preview shows how white text looks on a background with the XYZ color 83.2471, 87.4492, 70.8843.

70.8843.

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

83.2471, 87.4492, 70.8843

Protanopia

82.8087, 87.6591, 70.9479

Deuteranopia

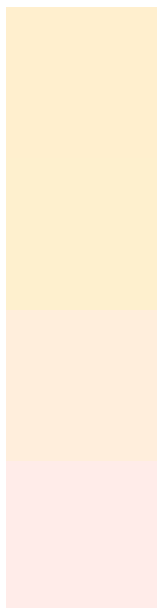
85.5278, 87.4298, 85.7666



Tritanopia

87.8916, 87.4540, 101.0549

Trichromacy



Original Color

83.2471, 87.4492, 70.8843

Protanomaly

83.1737, 87.8472, 70.9650

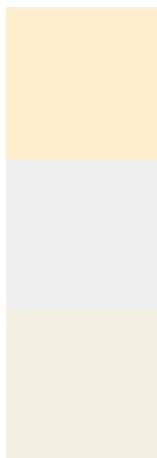
Deuteranomaly

84.7328, 87.5764, 80.1482

Tritanomaly

85.9434, 87.1341, 89.3797

Monochromacy



Original Color

83.2471, 87.4492, 70.8843

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.8199, 87.3341, 85.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2471, 87.4492, 70.8843 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, 239, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 206)  
}
```

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, 239, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 206) }
```

Border

The CSS property to change the border of an element to XYZ 83.2471, 87.4492, 70.8843 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, 239, 206) }
```


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

```
.border{ border-color:rgb(255, 239, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2471, 87.4492, 70.8843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 206) }
```

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

```
.background{ background-color: rgb(255,  
239, 206) }
```

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