

Converting Colors

XYZ(83.2249, 87.2978, 71.2072)

Have a look what the booklet for
XYZ(83.2249, 87.2978, 71.2072)
contains.

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Color

**XYZ(83.3690, 87.4980,
71.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFCE
RGB	255, 239, 207
RGB Percent	100%, 94%, 81%
CMY	0.0000, 0.0627, 0.1882
CMYK	0.00, 0.06, 0.19, 0.00
HSL	40°, 100%, 91%
HSV	40°, 19%, 100%
XYZ	83.3690, 87.4980, 71.5263
YIQ	240.1360, 19.8080, -6.5600

Conversions

Conversions Part 2

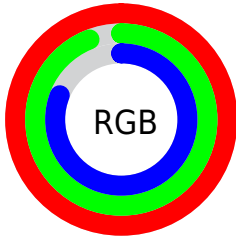
Format	Color
R _Y B	231, 255, 207
Decimal	16773071
CIE Lab	94.95, 0.39, 17.43
CIE LCh	95, 17.437, 88.711
Yxy	87.4980, 0.3439, 0.3610
Android (android.graphics.Color)	4294963151 (0xFFFFEFCF)
YUV	240.1360, -16.3360, 13.0357
Hunter-Lab	93.5404, -4.6053, 20.1417

Details

The XYZ color **83.3690, 87.4980, 71.5263** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.1692, 73.2587, 105.0498**, and the grayscale version is **83.0458, 87.3706, 95.1466**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9720, 48.1726, 37.0123** is the 20% darker color. If you saturate the color by 10%, you get **78.0709, 81.4943, 55.6018**, and if you desaturate by 10%, it is **89.2918, 93.9445, 90.1452**.

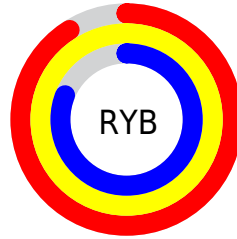
Distribution



Red (100%)

Green (94%)

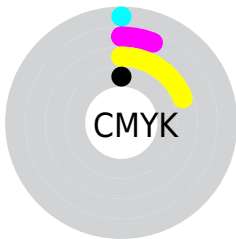
Blue (81%)



Red (91%)

Yellow (100%)

Blue (81%)

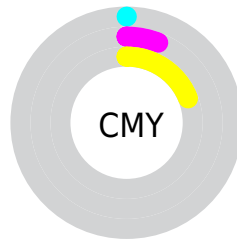


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3690, 87.4980, 71.5263 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 83.3690, 87.4980, 71.5263 by changing the saturation by 10% instead.

 83.3690, 87.4980,
71.5263

 83.3690, 87.4980,
71.5263


494.7808,
519.8579, 484.8243

 62.8125, 65.9074,
52.2873


137.0180,
143.8581, 123.0843

 45.9477, 48.1972,
36.8503


170.8413,
179.3963, 156.2403

 32.4090, 33.9831,
24.7968


209.8175,
220.3526, 194.8725

 21.8311, 22.8806,
15.7081

254.3121,
267.1113, 239.3994

 13.8488, 14.5054,
9.1657

304.6903,
320.0567, 290.2395

 8.0966, 8.4730,
4.7511

361.3176,

 4.2091, 4.3991,

379.5734, 347.8113

2.0458

424.5594,
446.0457, 412.5334

■ 1.8211, 1.8992,
0.5832

■ 0.5303, 0.5479,
0.0000

■ 83.3690, 87.4980,
71.5263

■ 83.3690, 87.4980,
71.5263

■ 78.0709, 81.4943,
55.6018

■ 89.2918, 93.9445,
90.1452

■ 73.3655, 75.9094,
42.2386

95.0500, 100.0000,
108.9000

■ 69.2271, 70.7334,
31.3004

■ 65.6256, 65.9513,
22.6362

■ 62.5273, 61.5473,
16.0776

■ 59.8943, 57.5032,
11.4327

■ 57.6816, 53.7982,
8.4743

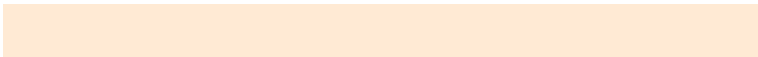
■ 55.8251, 50.4038,
6.8728

■ 55.6203, 50.0207,
6.7234

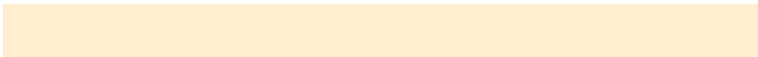
Harmonies

Analogous

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



87.9786, 87.4980, 74.6965



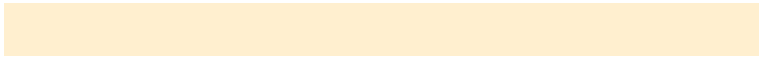
83.3690, 87.4980, 71.5263



78.8703, 87.4980, 74.1993

Triad

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



83.3690, 87.4980, 71.5263



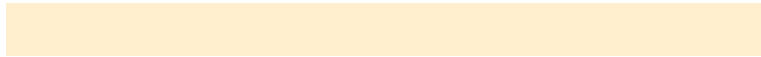
75.4384, 87.4980, 108.3418



91.1826, 87.4980, 109.4513

Complementary

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



83.3690, 87.4980, 71.5263



70.1692, 73.2587, 105.0498

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.



87.6112, 87.4980, 119.9949



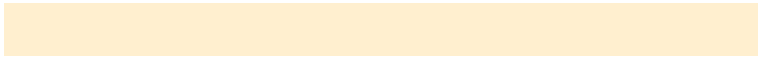
83.3690, 87.4980, 71.5263



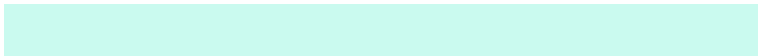
78.5287, 87.4980, 119.3128

Square

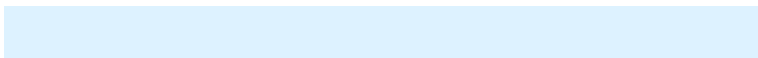
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3690, 87.4980, 71.5263



74.3973, 87.4980, 94.6857



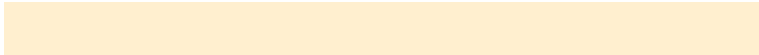
82.9598, 87.4980, 123.7616



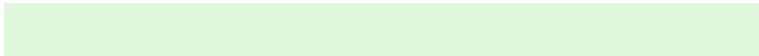
92.5941, 87.4980, 95.8576

Rectangle

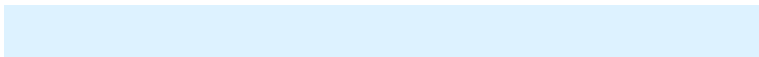
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3690, 87.4980, 71.5263



76.5146, 87.4980, 79.0930



82.9598, 87.4980, 123.7616



90.1883, 87.4980, 113.5158

Sweetspot

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



83.3711, 87.5018, 71.5281



91.0787, 95.8436, 95.9039



76.8728, 71.2144, 79.5071



19.4051, 20.4197, 20.2379



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

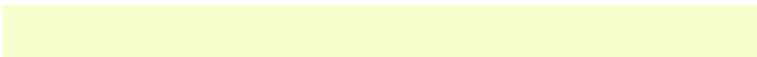
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3711, 87.5018, 71.5281



81.0830, 84.9401, 64.5552



85.3806, 95.7993, 73.0238



19.0214, 20.0110, 19.0043



29.2058, 26.4229, 3.5608



2.9442, 2.7738, 0.3802

Inverse Universe

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



70.1692, 73.2587, 105.0498



65.4346, 68.0597, 104.2958



68.3881, 66.2939, 103.7993



17.4975, 18.3666, 22.8728



11.2496, 7.4087, 50.2717



1.1910, 0.9126, 4.9267

Previews

White Background



This preview shows how the XYZ color 83.3690, 87.4980, 71.5263 looks on a white background.

Color Contrast Check

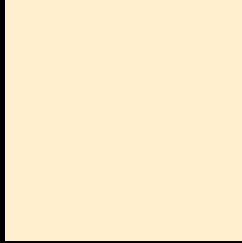
Large Text (above 18pt) WCAG AA × Fail

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 83.3690, 87.4980, 71.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

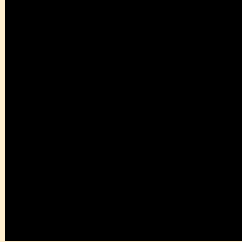
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3690, 87.4980, 71.5263

Background



This preview shows how black text looks on a background with the XYZ color 83.3690, 87.4980, 71.5263.



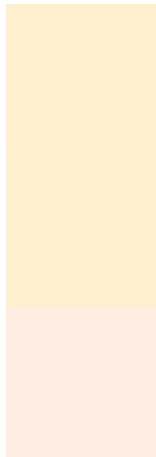
This preview shows how white text looks on a background with the XYZ color 83.3690, 87.4980,

71.5263.

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

83.3690, 87.4980, 71.5263

Protanopia

82.5675, 87.5206, 71.5729

Deuteranopia

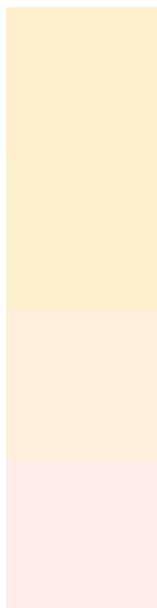
85.5278, 87.4298, 85.7666



Tritanopia

87.8916, 87.4540, 101.0549

Trichromacy



Original Color

83.3690, 87.4980, 71.5263

Protanomaly

82.9306, 87.7078, 71.5899

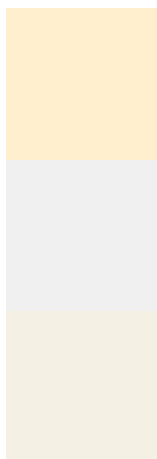
Deuteranomaly

84.7328, 87.5764, 80.1482

Tritanomaly

85.9434, 87.1341, 89.3797

Monochromacy



Original Color

83.3690, 87.4980, 71.5263

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 83.3690, 87.4980, 71.5263 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 207) }
```

Border

The CSS property to change the border of an element to XYZ 83.3690, 87.4980, 71.5263 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, 207) }
```


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

```
.border{ border-color:rgb(255, 239, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3690, 87.4980, 71.5263 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
239, 207) }
```

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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