

Converting Colors

XYZ(88.2799, 90.3248, 70.7735)

Have a look what the booklet for
XYZ(88.2799, 90.3248, 70.7735)
contains.

XYZ(83.4195, 87.9880, 70.3443)	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(83.4195, 87.9880,
70.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0CD
RGB	255, 240, 205
RGB Percent	100%, 94%, 80%
CMY	0.0000, 0.0588, 0.1961
CMYK	0.00, 0.06, 0.20, 0.00
HSL	42°, 100%, 90%
HSV	42°, 20%, 100%
XYZ	83.4195, 87.9880, 70.3443
YIQ	240.4950, 20.1750, -7.7050

Conversions

Conversions Part 2

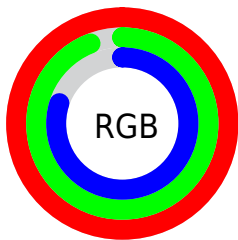
Format	Color
R_{YB}	226, 255, 205
Decimal	16773325
CIE Lab	95.16, -0.40, 18.75
CIE LCh	95, 18.756, 91.229
Yxy	87.9880, 0.3451, 0.3640
Android (android.graphics.Color)	4294963405 (0xFFFFF0CD)
YUV	240.4950, -17.4990, 12.7209
Hunter-Lab	93.8019, -5.4105, 21.1984

Details

The XYZ color **83.4195, 87.9880, 70.3443** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.8194, 71.3834, 104.7590**, and the grayscale version is **83.3361, 87.6761, 95.4793**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0151, 48.5211, 36.2184** is the 20% darker color. If you saturate the color by 10%, you get **78.3855, 82.4508, 54.6977**, and if you desaturate by 10%, it is **89.0545, 93.9233, 88.6683**.

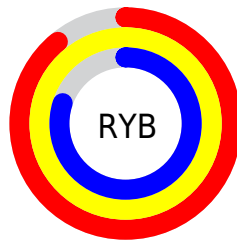
Distribution



Red (100%)

Green (94%)

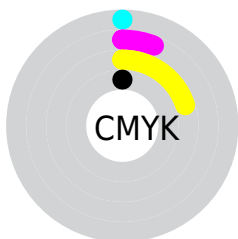
Blue (80%)



Red (89%)

Yellow (100%)

Blue (80%)

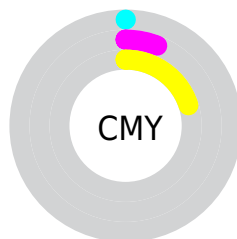


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4195, 87.9880, 70.3443 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 83.4195, 87.9880, 70.3443 by changing the saturation by 10% instead.


 83.4195, 87.9880,
70.3443

 83.4195, 87.9880,
70.3443


494.9463,
521.4639, 480.5797

 62.8544, 66.3131,
51.3287


137.0883,
144.5405, 121.3853

 45.9816, 48.5266,
36.0918


170.9227,
180.1868, 154.2479

 32.4359, 34.2441,
24.2148


209.9109,
221.2591, 192.5632

 21.8518, 23.0812,
15.2794

254.4183,
268.1418, 236.7498

 13.8640, 14.6535,
8.8669

304.8101,
321.2192, 287.2262

 8.1072, 8.5766,
4.5588

361.4519,

 4.2160, 4.4660,

380.8758, 344.4109

1.9367

424.7088,
447.4959, 408.7226

■ 1.8251, 1.9375,
0.5159

■ 0.5327, 0.5708,
0.0000

■ 83.4195, 87.9880,
70.3443

■ 83.4195, 87.9880,
70.3443

■ 78.3855, 82.4508,
54.6977

■ 89.0545, 93.9233,
88.6683

■ 73.9204, 77.2882,
41.5948

95.0500, 100.0000,
108.9000

■ 69.9991, 72.4912,
30.8986

■ 66.5915, 68.0458,
22.4569

■ 63.6643, 63.9368,
16.1000

■ 61.1794, 60.1469,
11.6341

■ 59.0918, 56.6562,
8.8282

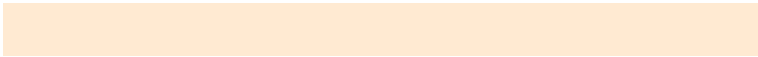
■ 57.3316, 53.4345,
7.3210

■ 57.2661, 53.3121,
7.2720

Harmonies

Analogous

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



88.4468, 87.9880, 73.2031



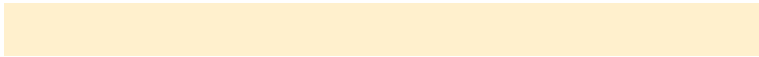
83.4195, 87.9880, 70.3443



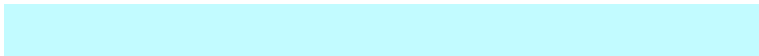
78.6406, 87.9880, 73.7084

Triad

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



83.4195, 87.9880, 70.3443



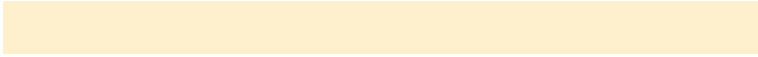
75.5096, 87.9880, 111.1396



92.5377, 87.9880, 109.9900

Complementary

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



83.4195, 87.9880, 70.3443



68.8194, 71.3834, 104.7590

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.



88.8260, 87.9880, 121.9252



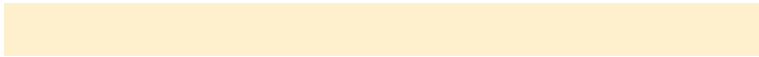
83.4195, 87.9880, 70.3443



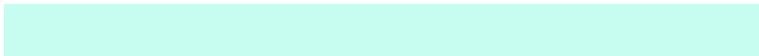
78.9913, 87.9880, 122.6350

Square

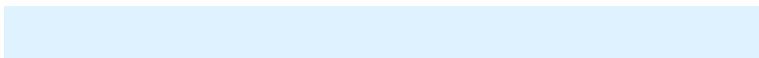
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4195, 87.9880, 70.3443



74.1900, 87.9880, 96.4085



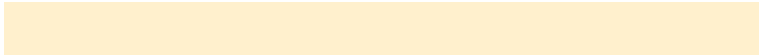
83.8408, 87.9880, 126.7667



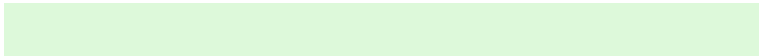
93.8385, 87.9880, 95.2020

Rectangle

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



83.4195, 87.9880, 70.3443



76.2040, 87.9880, 79.2474



83.8408, 87.9880, 126.7667



91.5234, 87.9880, 114.5195

Sweetspot

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



83.4217, 87.9918, 70.3462



91.2373, 96.1609, 95.9568



75.9902, 70.0909, 77.2349



19.4427, 20.4948, 20.2504



0.0000, 0.0000, 0.0000



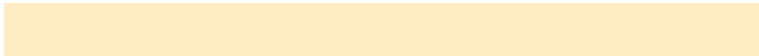
20.3446, 21.4041, 23.3091

Same Dimension

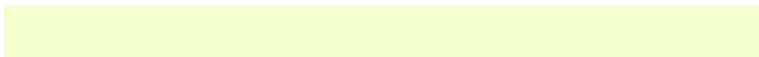
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4217, 87.9918, 70.3462



81.1373, 85.5103, 63.1500



84.4360, 95.3404, 71.7111



19.0744, 20.1169, 19.0220



30.0597, 28.1307, 3.8454



3.0226, 2.9305, 0.4063

Inverse Universe

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



68.8194, 71.3834, 104.7590



63.8285, 65.8263, 103.9494



67.9066, 65.3309, 103.6388



17.4470, 18.2656, 22.8560



10.9121, 6.7338, 50.1592



1.1532, 0.8371, 4.9141

Previews

White Background



This preview shows how the XYZ color 83.4195, 87.9880, 70.3443 looks on a white background.

Color Contrast Check

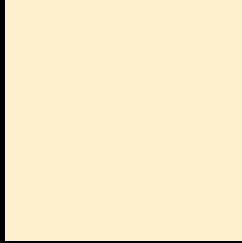
Large Text (above 18pt) WCAG AA × Fail

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 83.4195, 87.9880, 70.3443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

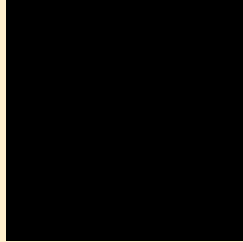
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.4195, 87.9880, 70.3443

Background



This preview shows how black text looks on a background with the XYZ color 83.4195, 87.9880, 70.3443.



This preview shows how white text looks on a background with the XYZ color 83.4195, 87.9880,

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

83.4195, 87.9880, 70.3443

Protanopia

83.0526, 87.7988, 70.3271

Deuteranopia

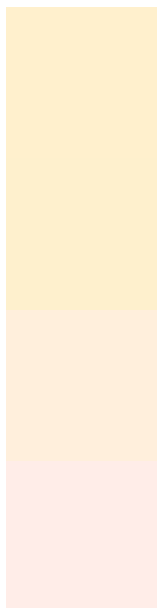
85.9574, 88.0662, 86.5968



Tritanopia

88.1787, 88.0282, 101.1506

Trichromacy



Original Color

83.4195, 87.9880, 70.3443

Protanomaly

83.0526, 87.7988, 70.3271

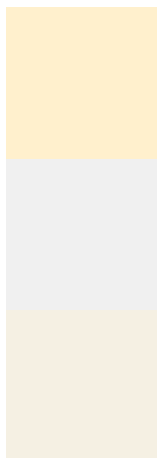
Deuteranomaly

85.0248, 88.1603, 80.2455

Tritanomaly

86.0897, 87.6546, 88.7255

Monochromacy



Original Color

83.4195, 87.9880, 70.3443

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.6814, 87.2787, 85.1617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4195, 87.9880, 70.3443 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, 240, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 205)  
}
```

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, 240, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 205) }
```

Border

The CSS property to change the border of an element to XYZ 83.4195, 87.9880, 70.3443 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, 240, 205) }
```


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

```
.border{ border-color:rgb(255, 240, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4195, 87.9880, 70.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 205) }
```

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

```
.background{ background-color: rgb(255,  
240, 205) }
```

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