

Converting Colors

XYZ(95.0442, 97.9104, 80.5574)

Have a look what the booklet for
XYZ(95.0442, 97.9104, 80.5574)
contains.

XYZ(87.7706, 94.0733, 79.8616)	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(87.7706, 94.0733,
79.8616)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9DA
RGB	255, 249, 218
RGB Percent	100%, 98%, 85%
CMY	0.0000, 0.0235, 0.1451
CMYK	0.00, 0.02, 0.15, 0.00
HSL	50°, 100%, 93%
HSV	50°, 15%, 100%
XYZ	87.7706, 94.0733, 79.8616
YIQ	247.2600, 13.5270, -8.3690

Conversions

Conversions Part 2

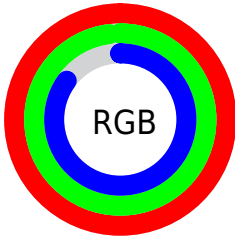
Format	Color
RYB	225, 255, 218
Decimal	16775642
CIELab	97.66, -3.02, 15.60
CIELCh	98, 15.891, 100.955
Yxy	94.0733, 0.3354, 0.3595
Android (android.graphics.Color)	4294965722 (0xFFFFF9DA)
YUV	247.2600, -14.4252, 6.7880
Hunter-Lab	96.9914, -8.2046, 19.0753

Details

The XYZ color **87.7706, 94.0733, 79.8616** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.6185, 75.4347, 105.2880**, and the grayscale version is **88.7275, 93.3483, 101.6563**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9695, 52.7900, 42.2589** is the 20% darker color. If you saturate the color by 10%, you get **83.4248, 90.3173, 63.1973**, and if you desaturate by 10%, it is **92.6622, 98.0987, 99.2431**.

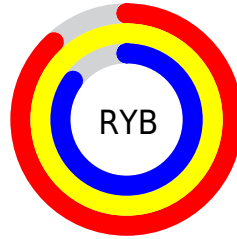
Distribution



Red (100%)

Green (98%)

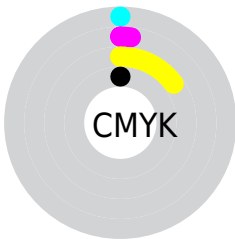
Blue (85%)



Red (88%)

Yellow (100%)

Blue (85%)

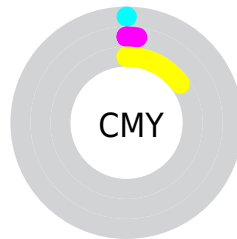


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7706, 94.0733, 79.8616 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 87.7706, 94.0733, 79.8616 by changing the saturation by 10% instead.

 87.7706, 94.0733,
79.8616

 87.7706, 94.0733,
79.8616


509.0984,
541.1940, 514.1608

 66.4633, 71.3639,
59.0790


143.1319,
152.9837, 134.9808

 48.9177, 52.6392,
42.2563


177.9166,
189.9535, 170.1544

 34.7684, 37.5149,
28.9749


217.9244,
232.4456, 210.9621

 23.6502, 25.6064,
18.8164

263.5208,
280.8444, 257.8224

 15.1977, 16.5294,
11.3623

315.0710,
335.5342, 311.1539

 9.0455, 9.8995,
6.1938

372.9404,

 4.8282, 5.3324,

396.8995, 371.3751

2.8926

437.4944,
465.3246, 438.9045

■ 2.1805, 2.4436,
1.0401

■ 0.7324, 0.8482,
0.0000

■ 87.7706, 94.0733,
79.8616

■ 87.7706, 94.0733,
79.8616

■ 83.4248, 90.3173,
63.1973

■ 92.6622, 98.0987,
99.2431

■ 79.5948, 86.8093,
49.1209

95.0500, 100.0000,
108.9000

■ 76.2574, 83.5426,
37.5017

■ 73.3850, 80.5059,
28.1950

■ 70.9469, 77.6868,
21.0410

■ 68.9090, 75.0712,
15.8596

■ 67.2311, 72.6428,
12.4414

■ 65.8643, 70.3817,
10.5291

■ 65.2080, 69.1960,
9.9193

Harmonies

Analogous

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



92.2832, 94.0733, 80.6349



87.7706, 94.0733, 79.8616



83.8312, 94.0733, 84.7398

Triad

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



87.7706, 94.0733, 79.8616



83.0025, 94.0733, 119.6463



97.8931, 94.0733, 110.7781

Complementary

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



87.7706, 94.0733, 79.8616



73.6185, 75.4347, 105.2880

Split Complementary

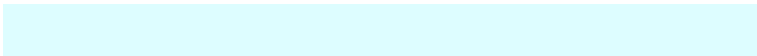
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.2390, 94.0733, 122.4249



87.7706, 94.0733, 79.8616



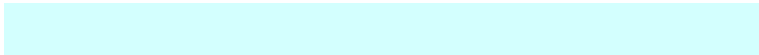
86.6046, 94.0733, 127.8357

Square

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



87.7706, 94.0733, 79.8616



81.1408, 94.0733, 107.2384



91.0775, 94.0733, 128.8934



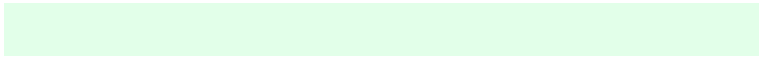
98.2310, 94.0733, 97.7672

Rectangle

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



87.7706, 94.0733, 79.8616



82.0210, 94.0733, 90.8020



91.0775, 94.0733, 128.8934



97.2381, 94.0733, 115.0102

Sweetspot

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



87.7727, 94.0773, 79.8636



92.9260, 98.3106, 100.3043



79.7893, 76.7948, 81.2582



19.8067, 20.9755, 21.1341



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.



87.7727, 94.0773, 79.8636



86.6399, 93.1166, 75.4630



85.2626, 95.5776, 80.2855



19.2959, 20.5601, 19.0958



34.1659, 36.3431, 5.2142



3.3906, 3.6665, 0.5290

Inverse Universe

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



73.6185, 75.4347, 105.2880



70.3468, 71.6576, 104.7314



75.8625, 74.2422, 104.9395



17.2407, 17.8529, 22.7872



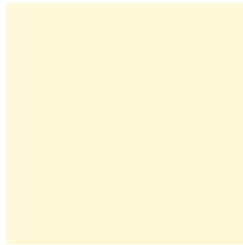
9.9211, 4.7517, 49.8289



1.0304, 0.5915, 4.8731

Previews

White Background



This preview shows how the XYZ color 87.7706, 94.0733, 79.8616 looks on a white background.

Color Contrast Check

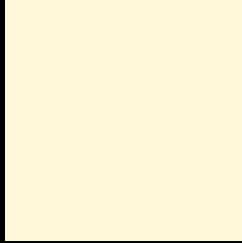
Large Text (above 18pt) WCAG AA × Fail

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 87.7706, 94.0733, 79.8616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

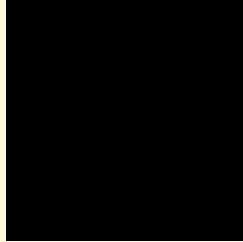
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7706, 94.0733, 79.8616

Background



This preview shows how black text looks on a background with the XYZ color 87.7706, 94.0733, 79.8616.



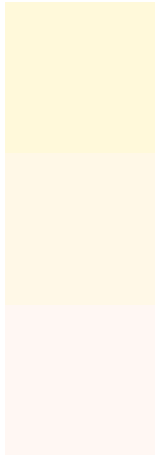
This preview shows how white text looks on a background with the XYZ color 87.7706, 94.0733,

79.8616.

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

87.7706, 94.0733, 79.8616

Protanopia

89.2312, 94.1643, 89.0738

Deuteranopia

90.6784, 94.2526, 98.2073

Tritanopia

92.2458, 94.3915, 107.9653

Trichromacy



Original Color

87.7706, 94.0733, 79.8616

Protanomaly

88.5349, 93.8858, 85.4070

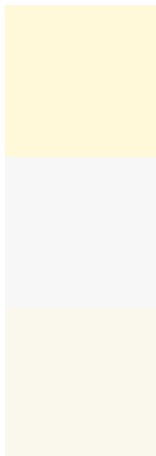
Deuteranomaly

89.6587, 94.3353, 91.3249

Tritanomaly

90.5278, 94.1923, 97.4140

Monochromacy



Original Color

87.7706, 94.0733, 79.8616

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1321, 93.5149, 92.7620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7706, 94.0733, 79.8616 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, 249, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 218)  
}
```

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, 249, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 218) }
```

Border

The CSS property to change the border of an element to XYZ 87.7706, 94.0733, 79.8616 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, 249, 218) }
```


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

```
.border{ border-color:rgb(255, 249, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7706, 94.0733, 79.8616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 218) }
```

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

```
.background{ background-color: rgb(255,  
249, 218) }
```

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