

Converting Colors

XYZ(81.7799, 87.6183, 80.2732)

Have a look what the booklet for
XYZ(81.7799, 87.6183, 80.2732)
contains.

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Color

**XYZ(81.9786, 87.9047,
80.3567)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F2DC
RGB	244, 242, 220
RGB Percent	96%, 95%, 86%
CMY	0.0431, 0.0510, 0.1372
CMYK	0.00, 0.01, 0.10, 0.04
HSL	55°, 52%, 91%
HSV	55°, 10%, 96%
XYZ	81.9786, 87.9047, 80.3567
YIQ	240.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

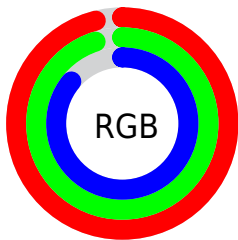
Format	Color
RYB	222, 244, 220
Decimal	16052956
CIELab	95.12, -3.02, 10.85
CIELCh	95, 11.262, 105.572
Yxy	87.9047, 0.3276, 0.3513
Android (android.graphics.Color)	4294243036 (0xFFFF4F2DC)
YUV	240.0900, -9.9044, 3.4291
Hunter-Lab	93.7575, -8.0009, 14.8146

Details

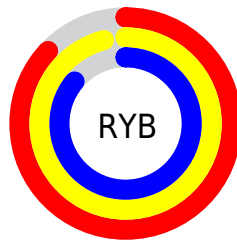
The XYZ color **81.9786, 87.9047, 80.3567** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9654, 73.9884, 96.0769**, and the grayscale version is **82.9675, 87.2883, 95.0570**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0895, 48.5258, 42.5873** is the 20% darker color. If you saturate the color by 10%, you get **78.3807, 85.5078, 64.3607**, and if you desaturate by 10%, it is **86.0598, 90.5113, 98.8429**.

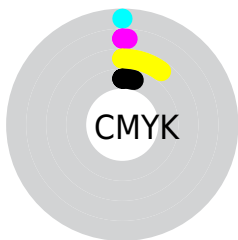
Distribution



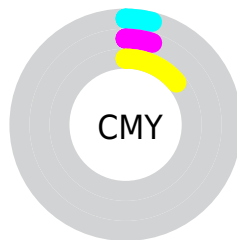
- Red (96%)
- Green (95%)
- Blue (86%)



- Red (87%)
- Yellow (96%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9786, 87.9047, 80.3567 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 81.9786, 87.9047, 80.3567 by changing the saturation by 10% instead.

81.9786, 87.9047,
80.3567

81.9786, 87.9047,
80.3567

490.2117,
521.1911, 515.8726

61.6619, 66.2441,
59.4840

135.0800,
144.4245, 135.6830

45.0142, 48.4706,
42.5803

168.5954,
180.0525, 170.9738

31.6699, 34.1997,
29.2270

207.2411,
221.1051, 211.9077

21.2638, 23.0471,
19.0056

251.3825,
267.9667, 258.9032

13.4305, 14.6283,
11.4974

301.3849,
321.0217, 312.3789

7.8047, 8.5589,
6.2841

357.6137,

4.0210, 4.4546,

380.6545, 372.7533

2.9470

420.4341,
447.2495, 440.4450

■ 1.7140, 1.9310,
1.0676

■ 0.4650, 0.5669,
0.0000

■ 81.9786, 87.9047,
80.3567

■ 81.9786, 87.9047,
80.3567

■ 78.3807, 85.5078,
64.3607

■ 86.0598, 90.5113,
98.8429

■ 75.2384, 83.3010,
50.7421

■ 88.3333, 92.4028,
107.7876

■ 72.5323, 81.2794,
39.3878

■ 88.9538, 93.6438,
107.9944

■ 70.2388, 79.4333,
30.1732

■ 89.5811, 94.8983,
108.2035

■ 68.3319, 77.7525,
22.9619

■ 90.2151, 96.1664,
108.4149

■ 66.7827, 76.2253,
17.6015

■ 90.8560, 97.4481,
108.6285

■ 65.5580, 74.8384,
13.9180

■ 91.1185, 97.9733,
108.7160

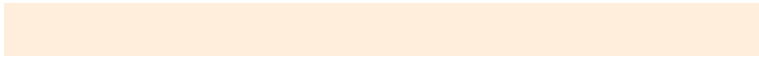
■ 64.6186, 73.5761,
11.7043

■ 63.8999, 72.4125,
10.6206

Harmonies

Analogous

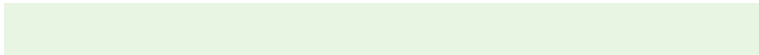
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0280, 87.9047, 80.2792



81.9786, 87.9047, 80.3567



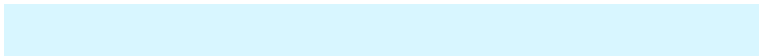
79.4121, 87.9047, 84.3769

Triad

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



81.9786, 87.9047, 80.3567



79.4925, 87.9047, 108.2804



89.3897, 87.9047, 99.9811

Complementary

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



81.9786, 87.9047, 80.3567



71.9654, 73.9884, 96.0769

Split Complementary

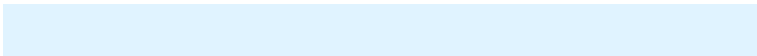
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8308, 87.9047, 108.0221



81.9786, 87.9047, 80.3567



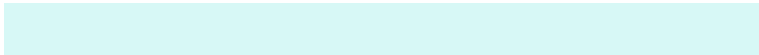
82.0908, 87.9047, 113.0087

Square

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



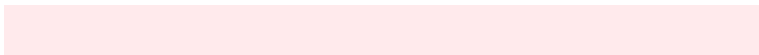
81.9786, 87.9047, 80.3567



78.0009, 87.9047, 100.3163



85.1429, 87.9047, 112.9114



89.3579, 87.9047, 91.2533

Rectangle

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



81.9786, 87.9047, 80.3567



78.2986, 87.9047, 88.9010



85.1429, 87.9047, 112.9114



89.0327, 87.9047, 102.8650

Sweetspot

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



81.9810, 87.9085, 80.3586



93.6401, 99.1120, 102.4743



76.0873, 75.6946, 79.7088



19.9640, 21.1640, 21.5754



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.



81.9810, 87.9085, 80.3586



89.7028, 96.5714, 84.7181



79.2016, 87.3620, 80.3996



17.7900, 19.0640, 17.5397



34.7881, 39.4618, 5.7834



3.0917, 3.5366, 0.5197

Inverse Universe

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



71.9654, 73.9884, 96.0769



76.3682, 78.0386, 105.6457



74.5565, 74.5423, 96.0472



15.6918, 16.1480, 20.8324



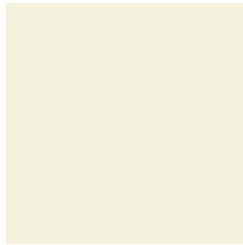
9.0565, 3.9067, 46.8148



0.8333, 0.4180, 4.1270

Previews

White Background



This preview shows how the XYZ color 81.9786, 87.9047, 80.3567 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 81.9786, 87.9047, 80.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

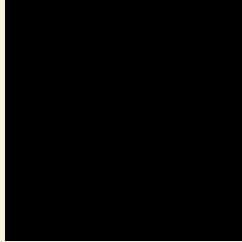
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

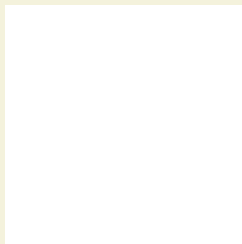
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9786, 87.9047, 80.3567

Background



This preview shows how black text looks on a background with the XYZ color 81.9786, 87.9047, 80.3567.

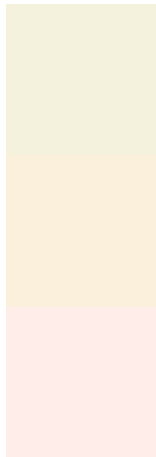


This preview shows how white text looks on a background with the XYZ color 81.9786, 87.9047,

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

81.9786, 87.9047, 80.3567

Protanopia

83.3706, 87.7586, 79.5628

Deuteranopia

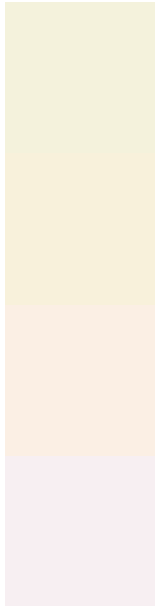
86.2322, 87.7116, 89.4759



Tritanopia

87.4011, 87.9281, 106.9730

Trichromacy



Original Color

81.9786, 87.9047, 80.3567

Protanomaly

82.9529, 87.9815, 79.6279

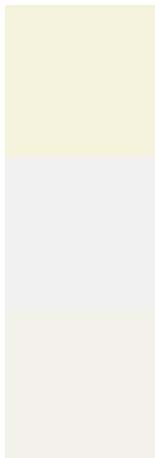
Deuteranomaly

84.6538, 87.8437, 85.8926

Tritanomaly

85.2513, 87.9180, 96.4810

Monochromacy



Original Color

81.9786, 87.9047, 80.3567

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.4389, 87.4946, 89.6339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9786, 87.9047, 80.3567 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(244, 242, 220) looks like.

```
.text, #text, p{  
    color:rgb(244, 242, 220)  
}
```

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(244, 242, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 242, 220) }
```

Border

The CSS property to change the border of an element to XYZ 81.9786, 87.9047, 80.3567 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(244, 242, 220) }
```


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

```
.border{ border-color:rgb(244, 242, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 242, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 242, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 242, 220);  
box-shadow:4px 4px 4px 4px rgb(244, 242,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9786, 87.9047, 80.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 242, 220) }
```

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

```
.background{ background-color: rgb(244,  
242, 220) }
```

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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