

Converting Colors

XYZ(80.8698, 85.2276, 73.3491)

Have a look what the booklet for
XYZ(80.8698, 85.2276, 73.3491)
contains.

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Color

**XYZ(80.9840, 85.3613,
73.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EDD2
RGB	249, 237, 210
RGB Percent	98%, 93%, 82%
CMY	0.0235, 0.0706, 0.1765
CMYK	0.00, 0.05, 0.16, 0.02
HSL	42°, 76%, 90%
HSV	42°, 16%, 98%
XYZ	80.9840, 85.3613, 73.1808
YIQ	237.5100, 15.8190, -5.8530

Conversions

Conversions Part 2

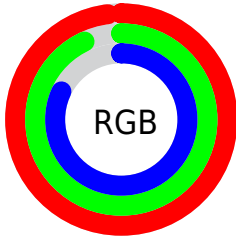
Format	Color
R _Y B	227, 249, 210
Decimal	16379346
CIE Lab	94.04, -0.29, 14.53
CIE LCh	94, 14.535, 91.148
Yxy	85.3613, 0.3381, 0.3564
Android (android.graphics.Color)	4294569426 (0xFFF9EDD2)
YUV	237.5100, -13.5624, 10.0767
Hunter-Lab	92.3912, -5.2233, 17.7117

Details

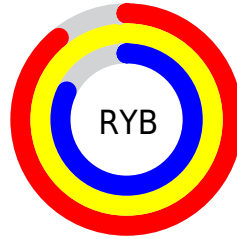
The XYZ color **80.9840, 85.3613, 73.1808** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.7982, 72.7822, 99.9929**, and the grayscale version is **80.9842, 85.2017, 92.7846**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1785, 46.6208, 37.6806** is the 20% darker color. If you saturate the color by 10%, you get **75.9506, 79.8783, 57.3703**, and if you desaturate by 10%, it is **86.5995, 91.2344, 91.5687**.

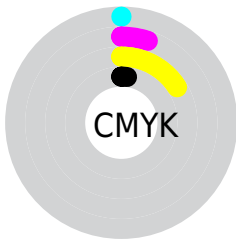
Distribution



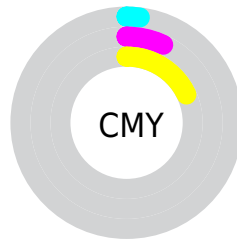
- Red (98%)
- Green (93%)
- Blue (82%)



- Red (89%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (2%)



- Cyan (2%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9840, 85.3613, 73.1808 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 80.9840, 85.3613, 73.1808 by changing the saturation by 10% instead.

80.9840, 85.3613,
73.1808

80.9840, 85.3613,
73.1808

486.9290,
512.8228, 490.7288

60.8397, 64.1400,
53.6311

133.6916,
140.8779, 125.4571

44.3478, 46.7640,
37.9156

166.9855,
175.9419, 159.0209

31.1431, 32.8492,
25.6159

205.3934,
216.3889, 198.0930

20.8602, 22.0109,
16.3133

249.2806,
262.6033, 243.0921

13.1338, 13.8649,
9.5894

299.0123,
314.9695, 294.4366

7.5983, 8.0268,
5.0255

354.9541,

3.8887, 4.1121,

373.8719, 352.5453

2.2033

417.4712,
439.6949, 417.8365

■ 1.6393, 1.7365,
0.6762

■ 0.4178, 0.4471,
0.0000

■ 80.9840, 85.3613,
73.1808

■ 80.9840, 85.3613,
73.1808

■ 75.9506, 79.8783,
57.3703

■ 86.5995, 91.2344,
91.5687

■ 71.4689, 74.7628,
44.0141

■ 92.0291, 97.1837,
108.5156

■ 67.5161, 70.0066,
32.9873

■ 92.8772, 98.8799,
108.7983

■ 64.0648, 65.5968,
24.1516

■ 61.0847, 61.5193,
17.3540

■ 58.5419, 57.7586,
12.4218

■ 56.3968, 54.2967,
9.1531

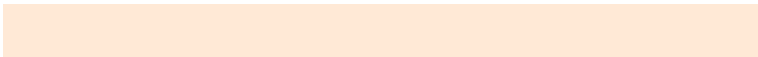
■ 54.6008, 51.1121,
7.2985

■ 53.8993, 49.8040,
6.7723

Harmonies

Analogous

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



84.7861, 85.3613, 75.4614



80.9840, 85.3613, 73.1808



77.3361, 85.3613, 75.8345

Triad

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



80.9840, 85.3613, 73.1808



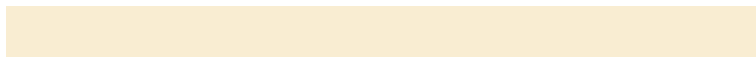
74.9158, 85.3613, 104.4369



87.8432, 85.3613, 103.6377

Complementary

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



80.9840, 85.3613, 73.1808



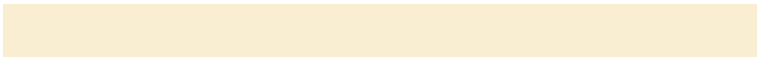
69.7982, 72.7822, 99.9929

Split Complementary

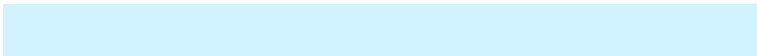
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0529, 85.3613, 112.4507



80.9840, 85.3613, 73.1808



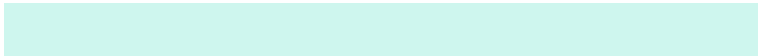
77.5871, 85.3613, 112.9374

Square

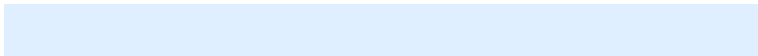
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9840, 85.3613, 73.1808



73.9022, 85.3613, 93.3726



81.2829, 85.3613, 115.9788



88.8215, 85.3613, 92.5166

Rectangle

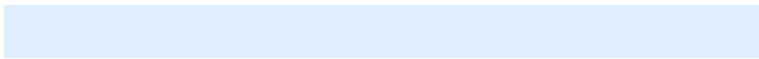
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9840, 85.3613, 73.1808



75.4622, 85.3613, 80.1773



81.2829, 85.3613, 115.9788



87.0818, 85.3613, 106.9986

Sweetspot

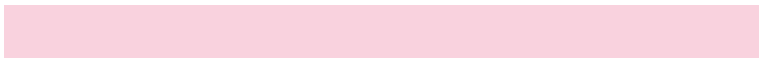
The Sweet Spot groups the original color and five complimentary colors.



80.9863, 85.3651, 73.1826



91.8263, 96.7293, 98.0323



75.3463, 71.5268, 79.1894



19.5604, 20.6075, 20.6683



0.0000, 0.0000, 0.0000



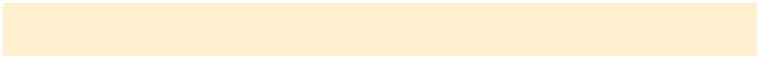
20.3446, 21.4041, 23.3091

Same Dimension

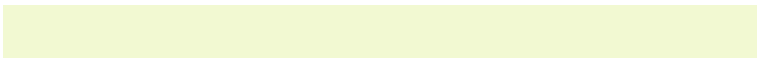
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9863, 85.3651, 73.1826



83.6366, 88.1212, 71.3444



82.0759, 91.2560, 74.2623



18.2506, 19.2370, 18.2136



28.9830, 26.9226, 3.6690



2.7782, 2.6813, 0.3711

Inverse Universe

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



69.7982, 72.7822, 99.9929



69.6324, 72.3723, 104.9070



68.8064, 67.7086, 99.0658



16.7184, 17.5137, 21.8846



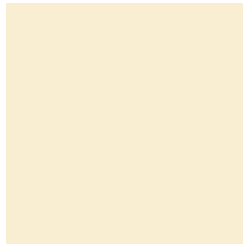
10.6677, 6.6910, 48.7028



1.0776, 0.7989, 4.5406

Previews

White Background



This preview shows how the XYZ color 80.9840, 85.3613, 73.1808 looks on a white background.

Color Contrast Check

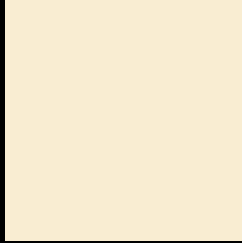
Large Text (above 18pt) WCAG AA × Fail

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 80.9840, 85.3613, 73.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

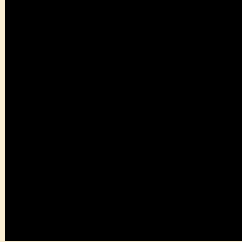
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

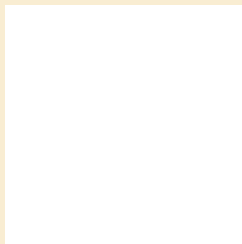
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9840, 85.3613, 73.1808

Background



This preview shows how black text looks on a background with the XYZ color 80.9840, 85.3613, 73.1808.



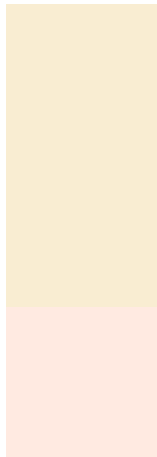
This preview shows how white text looks on a background with the XYZ color 80.9840, 85.3613,

73.1808.

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

80.9840, 85.3613, 73.1808

Protanopia

80.9840, 85.3613, 73.1808

Deuteranopia

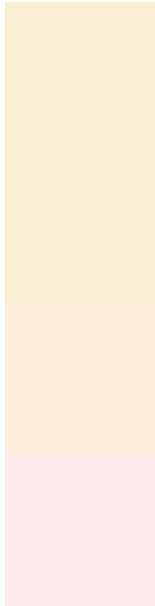
84.2534, 85.5419, 83.3048



Tritanopia

86.5478, 85.0622, 101.4796

Trichromacy



Original Color

80.9840, 85.3613, 73.1808

Protanomaly

80.9840, 85.3613, 73.1808

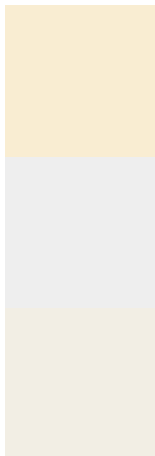
Deuteranomaly

83.1346, 85.4666, 79.8252

Tritanomaly

84.2792, 84.9714, 90.5564

Monochromacy



Original Color

80.9840, 85.3613, 73.1808

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.1961, 85.6278, 85.6471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9840, 85.3613, 73.1808 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(249, 237, 210)` looks like.

```
.text, #text, p{  
    color:rgb(249, 237, 210)  
}
```

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(249, 237, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 237, 210) }
```

Border

The CSS property to change the border of an element to XYZ 80.9840, 85.3613, 73.1808 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(249, 237, 210) }
```


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

```
.border{ border-color:rgb(249, 237, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 237, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 237, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 237, 210);  
box-shadow:4px 4px 4px 4px rgb(249, 237,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9840, 85.3613, 73.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 237, 210) }
```

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

```
.background{ background-color: rgb(249,  
237, 210) }
```

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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