

Converting Colors

XYZ(81.9743, 85.9108, 73.7638)

Have a look what the booklet for
XYZ(81.9743, 85.9108, 73.7638)
contains.

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Color

**XYZ(81.8257, 85.7808,
73.8727)**

Conversions

Conversions Part 1

Format	Color
Hex	FBEDD3
RGB	251, 237, 211
RGB Percent	98%, 93%, 83%
CMY	0.0157, 0.0706, 0.1725
CMYK	0.00, 0.06, 0.16, 0.02
HSL	39°, 83%, 91%
HSV	39°, 16%, 98%
XYZ	81.8257, 85.7808, 73.8727
YIQ	238.2220, 16.6900, -5.1180

Conversions

Conversions Part 2

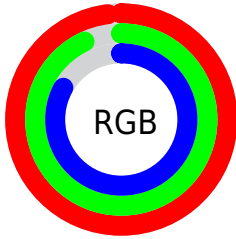
Format	Color
R _Y B	233, 251, 211
Decimal	16510419
CIE Lab	94.22, 0.57, 14.29
CIE LCh	94, 14.303, 87.718
Yxy	85.7808, 0.3389, 0.3552
Android (android.graphics.Color)	4294700499 (0xFFFBEDD3)
YUV	238.2220, -13.4204, 11.2063
Hunter-Lab	92.6179, -4.3809, 17.5424

Details

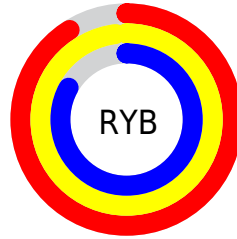
The XYZ color **81.8257, 85.7808, 73.8727** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.2014, 74.6626, 101.9259**, and the grayscale version is **81.5336, 85.7797, 93.4141**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7728, 46.9174, 38.1487** is the 20% darker color. If you saturate the color by 10%, you get **76.4416, 79.6608, 57.7468**, and if you desaturate by 10%, it is **87.8304, 92.3541, 92.6315**.

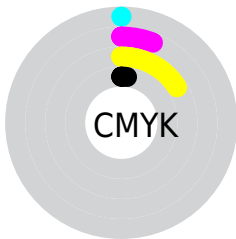
Distribution



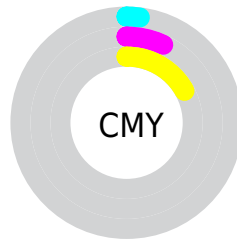
- Red (98%)
- Green (93%)
- Blue (83%)



- Red (91%)
- Yellow (98%)
- Blue (83%)



- Cyan (0%)
- Magenta (6%)
- Yellow (16%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8257, 85.7808, 73.8727 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 81.8257, 85.7808, 73.8727 by changing the saturation by 10% instead.

 81.8257, 85.7808,
73.8727

 81.8257, 85.7808,
73.8727


489.7078,
514.2082, 493.1855

 61.5355, 64.4867,
54.1937

134.8666,
141.4636, 126.4477

 44.9117, 47.0450,
38.3623


168.3481,
176.6210, 160.1808

 31.5888, 33.0712,
25.9600


206.9573,
217.1684, 199.4357

 21.2017, 22.1810,
16.5682

251.0597,
263.4902, 244.6308

 13.3848, 13.9900,
9.7684

301.0206,
315.9706, 296.1849

 7.7729, 8.1137,
5.1421

357.2053,

 4.0005, 4.1678,

374.9942, 354.5163

2.2707

419.9793,
440.9452, 420.0437

■ 1.7024, 1.7679,
0.7147

■ 0.4578, 0.4670,
0.0000

■ 81.8257, 85.7808,
73.8727

■ 81.8257, 85.7808,
73.8727

■ 76.4416, 79.6608,
57.7468

■ 87.8304, 92.3541,
92.6315

■ 71.6466, 73.9700,
44.1281

■ 93.4568, 98.9752,
108.7862

■ 67.4168, 68.6987,
32.8885

■ 93.5939, 99.2493,
108.8319

■ 63.7235, 63.8327,
23.8865

■ 60.5351, 59.3563,
16.9655

■ 57.8163, 55.2522,
11.9483

■ 55.5259, 51.5008,
8.6278

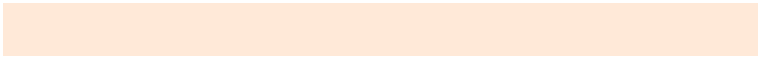
■ 53.6132, 48.0785,
6.7473

■ 52.9136, 46.7688,
6.2384

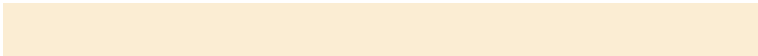
Harmonies

Analogous

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



85.5287, 85.7808, 76.6813



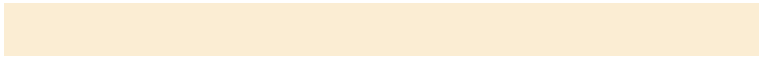
81.8257, 85.7808, 73.8727



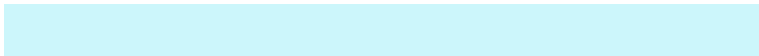
78.1547, 85.7808, 75.9472

Triad

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



81.8257, 85.7808, 73.8727



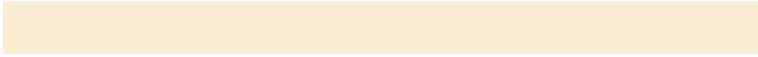
75.1853, 85.7808, 103.5573



87.9176, 85.7808, 105.1235

Complementary

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



81.8257, 85.7808, 73.8727



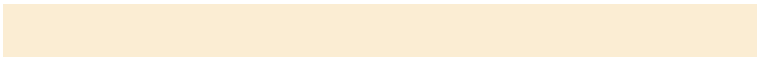
71.2014, 74.6626, 101.9259

Split Complementary

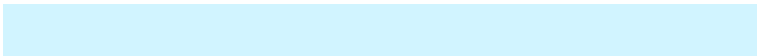
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0053, 85.7808, 113.3421



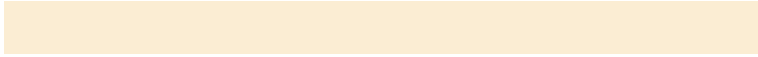
81.8257, 85.7808, 73.8727



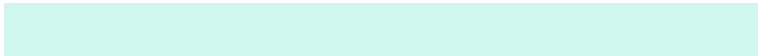
77.6619, 85.7808, 112.3892

Square

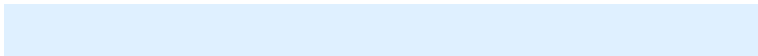
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8257, 85.7808, 73.8727



74.3931, 85.7808, 92.5633



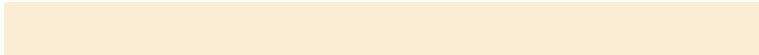
81.2392, 85.7808, 116.0984



89.1138, 85.7808, 94.2431

Rectangle

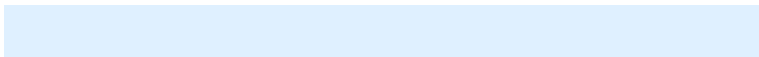
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8257, 85.7808, 73.8727



76.2044, 85.7808, 79.9181



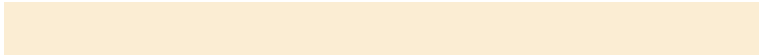
81.2392, 85.7808, 116.0984



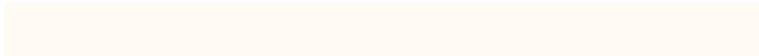
87.1025, 85.7808, 108.3203

Sweetspot

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



81.8280, 85.7846, 73.8745



91.6580, 96.3926, 97.9761



76.6694, 72.5351, 81.1950



19.5194, 20.5255, 20.6546



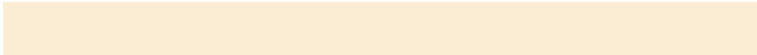
0.0000, 0.0000, 0.0000



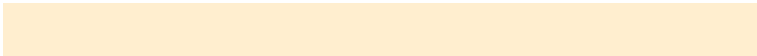
20.3446, 21.4041, 23.3091

Same Dimension

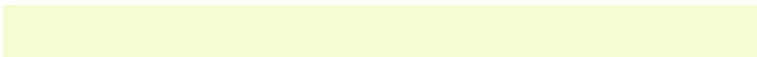
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8280, 85.7846, 73.8745



83.0363, 86.9205, 71.1443



83.9120, 93.1106, 75.1788



18.1864, 19.1087, 18.1922



27.9552, 24.8671, 3.3264



2.6885, 2.5018, 0.3412

Inverse Universe

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



71.2014, 74.6626, 101.9259



70.1784, 73.4642, 105.0890



69.3232, 68.3065, 100.7981



16.7797, 17.6363, 21.9050



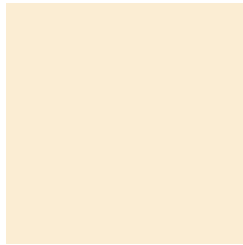
11.1022, 7.5599, 48.8476



1.1235, 0.8907, 4.5559

Previews

White Background



This preview shows how the XYZ color 81.8257, 85.7808, 73.8727 looks on a white background.

Color Contrast Check

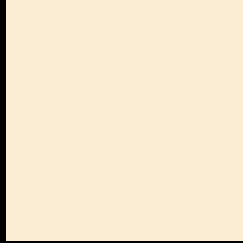
Large Text (above 18pt) WCAG AA × Fail

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 81.8257, 85.7808, 73.8727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

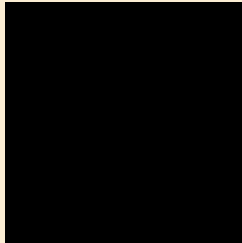
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8257, 85.7808, 73.8727

Background



This preview shows how black text looks on a background with the XYZ color 81.8257, 85.7808, 73.8727.



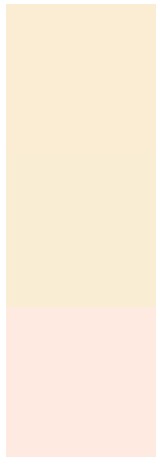
This preview shows how white text looks on a background with the XYZ color 81.8257, 85.7808,

73.8727.

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

81.8257, 85.7808, 73.8727

Protanopia

81.3993, 85.9920, 73.9359

Deuteranopia

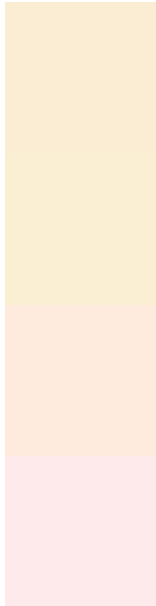
84.3903, 85.5966, 84.0255



Tritanopia

87.1955, 85.8128, 101.5904

Trichromacy



Original Color

81.8257, 85.7808, 73.8727

Protanomaly

81.7567, 86.1762, 73.9526

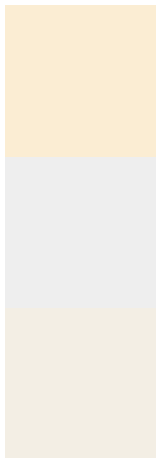
Deuteranomaly

83.6325, 85.7080, 80.5420

Tritanomaly

85.2913, 85.9146, 90.6851

Monochromacy



Original Color

81.8257, 85.7808, 73.8727

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.5403, 85.8052, 85.6632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8257, 85.7808, 73.8727 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(251, 237, 211)` looks like.

```
.text, #text, p{  
    color:rgb(251, 237, 211)  
}
```

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(251, 237, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 237, 211) }
```

Border

The CSS property to change the border of an element to XYZ 81.8257, 85.7808, 73.8727 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(251, 237, 211) }
```


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

```
.border{ border-color:rgb(251, 237, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 237, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 237, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 237, 211);  
box-shadow:4px 4px 4px 4px rgb(251, 237,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8257, 85.7808, 73.8727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 237, 211) }
```

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

```
.background{ background-color: rgb(251,  
237, 211) }
```

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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