

Converting Colors

XYZ(80.7099, 84.2723, 81.6868)

Have a look what the booklet for
XYZ(80.7099, 84.2723, 81.6868)
contains.

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Color

**XYZ(80.6838, 84.1569,
81.8034)**

Conversions

Conversions Part 1

Format	Color
Hex	F5EBDF
RGB	245, 235, 223
RGB Percent	96%, 92%, 87%
CMY	0.0392, 0.0784, 0.1255
CMYK	0.00, 0.04, 0.09, 0.04
HSL	33°, 52%, 92%
HSV	33°, 9%, 96%
XYZ	80.6838, 84.1569, 81.8034
YIQ	236.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

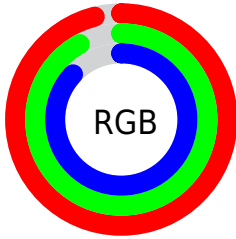
Format	Color
R_{YB}	241, 245, 223
Decimal	16116703
CIE Lab	93.52, 1.36, 7.01
CIE LCh	94, 7.140, 78.990
Yxy	84.1569, 0.3271, 0.3412
Android (android.graphics.Color)	4294306783 (0xFFFF5EBDF)
YUV	236.6220, -6.7156, 7.3475
Hunter-Lab	91.7371, -3.5471, 11.3461

Details

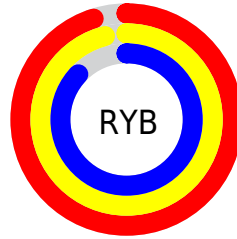
The XYZ color **80.6838, 84.1569, 81.8034** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0515, 80.5568, 97.9277**, and the grayscale version is **80.2524, 84.4317, 91.9462**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1742, 45.8862, 43.5745** is the 20% darker color. If you saturate the color by 10%, you get **74.5296, 76.7571, 64.6174**, and if you desaturate by 10%, it is **87.5201, 92.1541, 101.5769**.

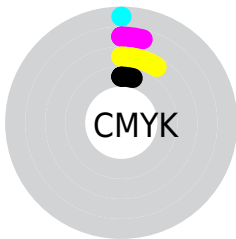
Distribution



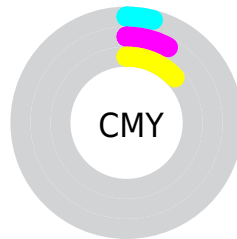
- Red (96%)
- Green (92%)
- Blue (87%)



- Red (95%)
- Yellow (96%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6838, 84.1569, 81.8034 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 80.6838, 84.1569, 81.8034 by changing the saturation by 10% instead.

80.6838, 84.1569,
81.8034

80.6838, 84.1569,
81.8034

485.9358,
508.8341, 520.8560

60.5916, 63.1450,
60.6686

133.2722,
139.1946, 137.7325

44.1470, 45.9585,
43.5290

166.4991,
173.9892, 173.3639

30.9845, 32.2131,
29.9659

204.8349,
214.1469, 214.6645

20.7388, 21.5243,
19.5609

248.6451,
260.0519, 262.0530

13.0446, 13.5078,
11.8954

298.2949,
312.0888, 315.9479

7.5365, 7.7791,
6.5508

354.1497,

3.8491, 3.9539,

370.6418, 376.7676

3.1086

416.5749,
436.0955, 444.9308

■ 1.6171, 1.6478,
1.1504

■ 0.4035, 0.3895,
0.0000

■ 80.6838, 84.1569,
81.8034

■ 80.6838, 84.1569,
81.8034

■ 74.5296, 76.7571,
64.6174

■ 87.5201, 92.1541,
101.5769

■ 69.0265, 69.9284,
49.9046

■ 91.4666, 98.1527,
108.7323

■ 64.1512, 63.6581,
37.5502

■ 59.8762, 57.9292,
27.4281

■ 56.1715, 52.7233,
19.4002

■ 53.0042, 48.0207,
13.3130

■ 50.3370, 43.7998,
8.9913

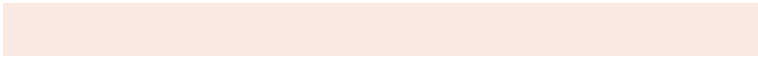
■ 48.1266, 40.0362,
6.2282

■ 46.3099, 36.6974,
4.7143

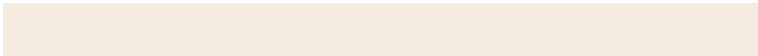
Harmonies

Analogous

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



82.3940, 84.1569, 84.0106



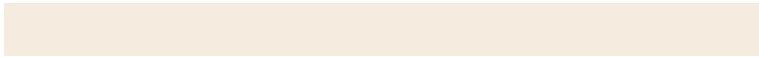
80.6838, 84.1569, 81.8034



78.8134, 84.1569, 82.1510

Triad

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



80.6838, 84.1569, 81.8034



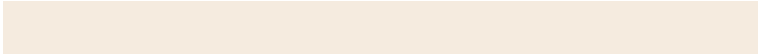
76.6055, 84.1569, 95.0567



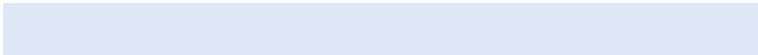
82.7587, 84.1569, 98.6241

Complementary

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



80.6838, 84.1569, 81.8034



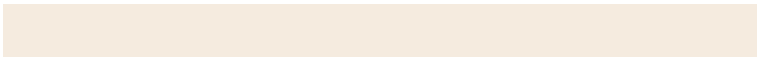
76.0515, 80.5568, 97.9277

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.



81.1754, 84.1569, 101.8170



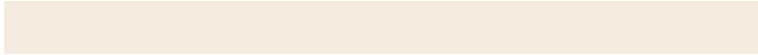
80.6838, 84.1569, 81.8034



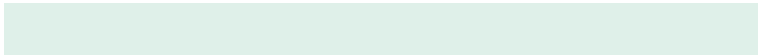
77.6305, 84.1569, 99.7021

Square

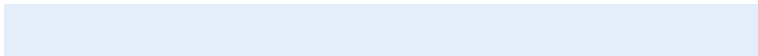
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6838, 84.1569, 81.8034



76.4786, 84.1569, 89.6616



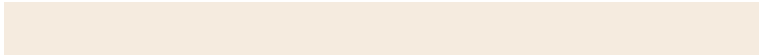
79.2974, 84.1569, 102.2191



83.6044, 84.1569, 93.6322

Rectangle

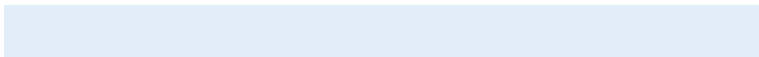
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6838, 84.1569, 81.8034



77.7267, 84.1569, 83.7884



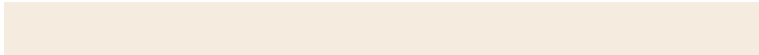
79.2974, 84.1569, 102.2191



82.2940, 84.1569, 99.9516

Sweetspot

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



80.6861, 84.1606, 81.8052



92.7438, 97.3195, 102.1755



78.7910, 78.0874, 88.2114



19.7215, 20.6792, 21.4946



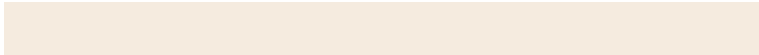
0.0000, 0.0000, 0.0000



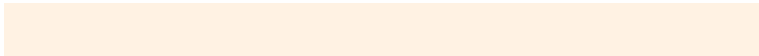
20.3446, 21.4041, 23.3091

Same Dimension

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



80.6861, 84.1606, 81.8052



86.9266, 90.4601, 85.5159



83.3734, 89.9143, 82.7741



17.2485, 17.9812, 17.3592



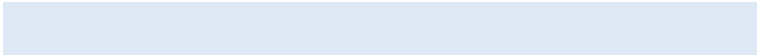
24.9960, 19.8776, 2.5193



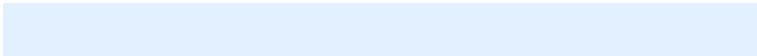
2.2996, 1.9524, 0.2556

Inverse Universe

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



76.0515, 80.5568, 97.9277



80.7829, 85.6829, 106.8885



73.5281, 75.1738, 97.0217



16.2013, 17.1669, 21.0022



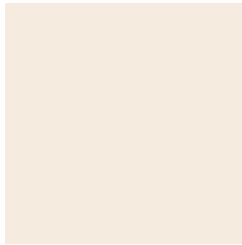
12.0939, 9.9816, 47.8273



1.1642, 1.0799, 4.2373

Previews

White Background



This preview shows how the XYZ color 80.6838, 84.1569, 81.8034 looks on a white background.

Color Contrast Check

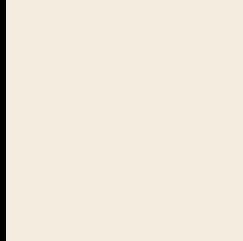
Large Text (above 18pt) WCAG AA × Fail

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 80.6838, 84.1569, 81.8034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

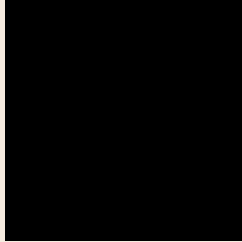
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6838, 84.1569, 81.8034

Background



This preview shows how black text looks on a background with the XYZ color 80.6838, 84.1569, 81.8034.



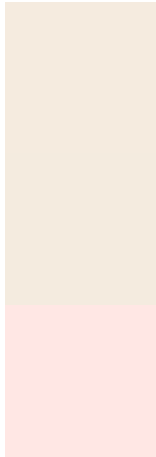
This preview shows how white text looks on a background with the XYZ color 80.6838, 84.1569,

81.8034.

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

80.6838, 84.1569, 81.8034

Protanopia

80.3358, 83.9775, 81.7872

Deuteranopia

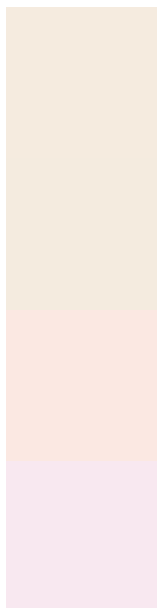
83.8195, 84.0133, 85.1972



Tritanopia

84.7417, 84.1311, 101.3951

Trichromacy



Original Color

80.6838, 84.1569, 81.8034

Protanomaly

80.3358, 83.9775, 81.7872

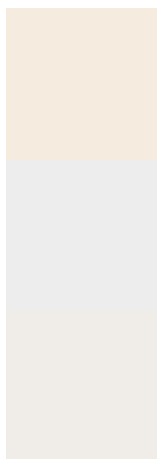
Deuteranomaly

82.3677, 83.7134, 83.7686

Tritanomaly

83.2962, 83.9610, 94.2540

Monochromacy



Original Color

80.6838, 84.1569, 81.8034

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.4961, 84.3424, 88.3810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6838, 84.1569, 81.8034 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(245, 235, 223) looks like.

```
.text, #text, p{  
    color:rgb(245, 235, 223)  
}
```

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(245, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 235, 223) }
```

Border

The CSS property to change the border of an element to XYZ 80.6838, 84.1569, 81.8034 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(245, 235, 223) }
```


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

```
.border{ border-color:rgb(245, 235, 223) }
```

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

Here you see how a box with a 4 pixel rgb(245, 235, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(245, 235,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6838, 84.1569, 81.8034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 235, 223) }
```

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

```
.background{ background-color: rgb(245,  
235, 223) }
```

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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