

Converting Colors

XYZ(80.1193, 82.4319, 79.9759)

Have a look what the booklet for
XYZ(80.1193, 82.4319, 79.9759)
contains.

XYZ(80.2655, 82.7078, 80.1404)	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(80.2655, 82.7078,
80.1404)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E8DD
RGB	247, 232, 221
RGB Percent	97%, 91%, 87%
CMY	0.0314, 0.0902, 0.1333
CMYK	0.00, 0.06, 0.11, 0.03
HSL	25°, 62%, 92%
HSV	25°, 11%, 97%
XYZ	80.2655, 82.7078, 80.1404
YIQ	235.2310, 12.4710, -0.2410

Conversions

Conversions Part 2

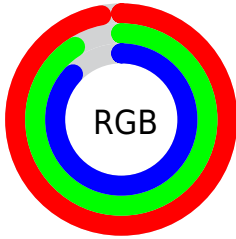
Format	Color
R _Y B	247, 240, 221
Decimal	16247005
CIE Lab	92.89, 3.27, 7.16
CIE LCh	93, 7.870, 65.455
Yxy	82.7078, 0.3302, 0.3402
Android (android.graphics.Color)	4294437085 (0xFFFF7E8DD)
YUV	235.2310, -7.0159, 10.3214
Hunter-Lab	90.9438, -1.6106, 11.4139

Details

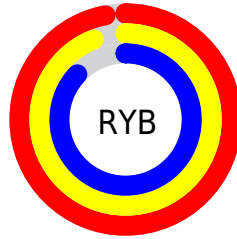
The XYZ color **80.2655, 82.7078, 80.1404** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6025, 82.0770, 99.8016**, and the grayscale version is **79.1886, 83.3126, 90.7274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8941, 44.8802, 42.4257** is the 20% darker color. If you saturate the color by 10%, you get **73.3655, 73.7921, 62.7813**, and if you desaturate by 10%, it is **87.9793, 92.4746, 100.1614**.

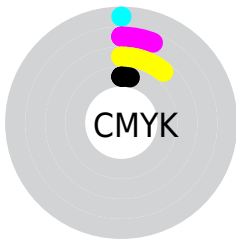
Distribution



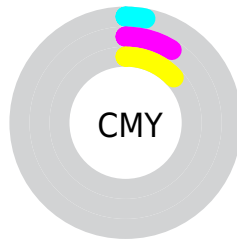
- Red (97%)
- Green (91%)
- Blue (87%)



- Red (97%)
- Yellow (94%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (11%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2655, 82.7078, 80.1404 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 80.2655, 82.7078, 80.1404 by changing the saturation by 10% instead.

80.2655, 82.7078,
80.1404

80.2655, 82.7078,
80.1404

484.5501,
504.0122, 515.1251

60.2461, 61.9491,
59.3070

132.6875,
137.1661, 135.3763

43.8672, 44.9916,
42.4387

165.8208,
171.6346, 170.6159

30.7636, 31.4508,
29.1168

204.0561,
211.4418, 211.4947

20.5698, 20.9424,
18.9229

247.7588,
256.9720, 258.4312

12.9206, 13.0819,
11.4383

297.2941,
308.6098, 311.8439

7.4505, 7.4850,
6.2446

353.0276,

3.7942, 3.7672,

366.7395, 372.1515

2.9232

415.3244,
431.7455, 439.7724

■ 1.5864, 1.5442,
1.0556

■ 0.3835, 0.3195,
0.0000

■ 80.2655, 82.7078,
80.1404

■ 80.2655, 82.7078,
80.1404

■ 73.3655, 73.7921,
62.7813

■ 87.9793, 92.4746,
100.1614

■ 67.2439, 65.6928,
47.9652

■ 92.1681, 98.5143,
108.7651

■ 61.8723, 58.3886,
35.5723

■ 57.2179, 51.8533,
25.4708

■ 53.2452, 46.0586,
17.5161

■ 49.9151, 40.9746,
11.5469

■ 47.1837, 36.5686,
7.3788

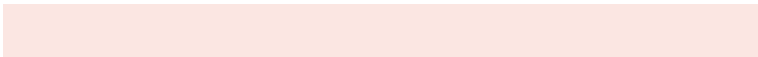
■ 44.9999, 32.8040,
4.7919

■ 43.3633, 29.7846,
3.4635

Harmonies

Analogous

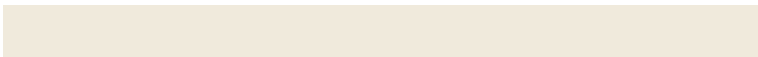
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8768, 82.7078, 83.6436



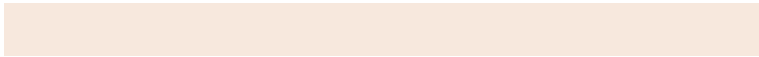
80.2655, 82.7078, 80.1404



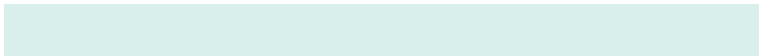
78.2359, 82.7078, 79.2444

Triad

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



80.2655, 82.7078, 80.1404



74.7400, 82.7078, 91.1357



80.9276, 82.7078, 99.5988

Complementary

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



80.2655, 82.7078, 80.1404



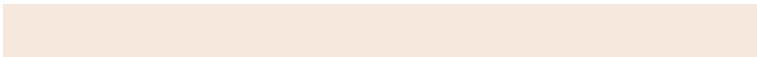
76.6025, 82.0770, 99.8016

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.



78.9878, 82.7078, 101.8061



80.2655, 82.7078, 80.1404



75.4338, 82.7078, 96.7854

Square

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



80.2655, 82.7078, 80.1404



75.0686, 82.7078, 85.4315



76.9800, 82.7078, 100.7548



82.2637, 82.7078, 94.8418

Rectangle

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



80.2655, 82.7078, 80.1404



76.9238, 82.7078, 80.2108



76.9800, 82.7078, 100.7548



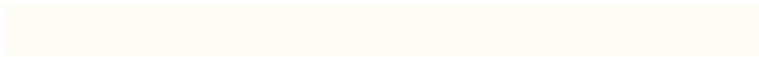
80.3233, 82.7078, 100.6728

Sweetspot

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



80.2678, 82.7114, 80.1422



92.4511, 96.7342, 102.0780



79.3798, 77.5541, 90.2706



19.6426, 20.5213, 21.4683



0.0000, 0.0000, 0.0000



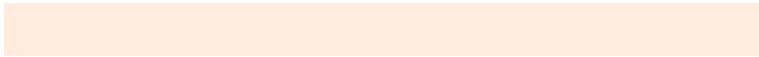
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2678, 82.7114, 80.1422



84.3658, 86.4481, 81.2415



84.0118, 90.1995, 81.3902



17.0756, 17.6354, 17.3016



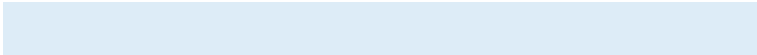
23.0669, 16.0193, 1.8763



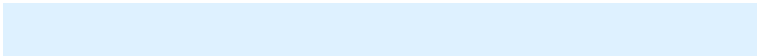
2.1268, 1.6069, 0.1981

Inverse Universe

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



76.6025, 82.0770, 99.8016



79.5745, 85.6183, 106.9397



73.0407, 74.9532, 98.6143



16.3749, 17.5141, 21.0601



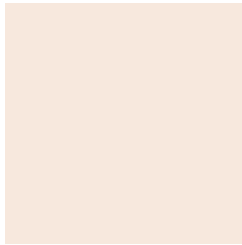
14.1744, 14.1426, 48.5208



1.3474, 1.4463, 4.2984

Previews

White Background



This preview shows how the XYZ color 80.2655, 82.7078, 80.1404 looks on a white background.

Color Contrast Check

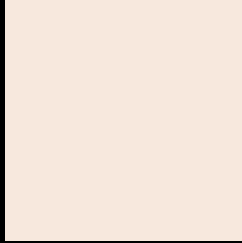
Large Text (above 18pt) WCAG AA × Fail

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 80.2655, 82.7078, 80.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

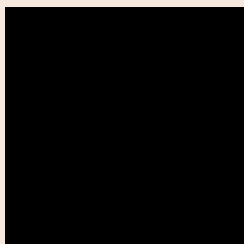
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

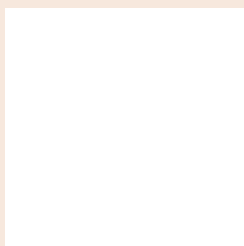
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2655, 82.7078, 80.1404

Background



This preview shows how black text looks on a background with the XYZ color 80.2655, 82.7078, 80.1404.

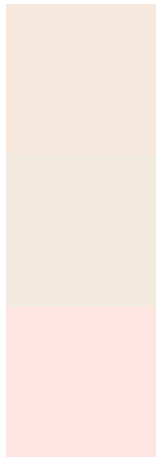


This preview shows how white text looks on a background with the XYZ color 80.2655, 82.7078,

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

80.2655, 82.7078, 80.1404

Protanopia

79.2256, 82.9968, 80.9516

Deuteranopia

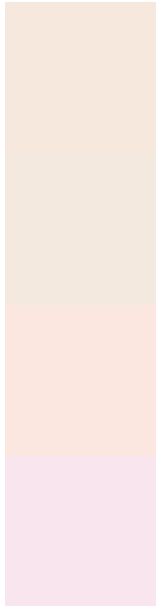
82.9868, 82.7896, 83.5576



Tritanopia

83.8023, 82.4646, 98.6892

Trichromacy



Original Color

80.2655, 82.7078, 80.1404

Protanomaly

79.6320, 82.7848, 80.8893

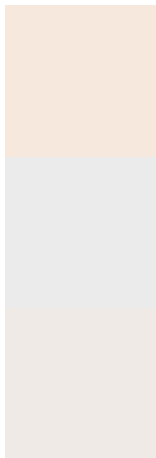
Deuteranomaly

81.8962, 82.6709, 82.1617

Tritanomaly

82.3723, 82.2928, 91.6634

Monochromacy



Original Color

80.2655, 82.7078, 80.1404

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.3023, 82.9095, 86.6864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2655, 82.7078, 80.1404 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(247, 232, 221)` looks like.

```
.text, #text, p{  
    color:rgb(247, 232, 221)  
}
```

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(247, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 232, 221) }
```

Border

The CSS property to change the border of an element to XYZ 80.2655, 82.7078, 80.1404 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(247, 232, 221) }
```


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

```
.border{ border-color:rgb(247, 232, 221) }
```

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

Here you see how a box with a 4 pixel rgb(247, 232, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 232, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 232, 221);  
box-shadow:4px 4px 4px 4px rgb(247, 232,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2655, 82.7078, 80.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 232, 221) }
```

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

```
.background{ background-color: rgb(247,  
232, 221) }
```

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