

Converting Colors

XYZ(80.9873, 85.3803, 83.0814)

Have a look what the booklet for
XYZ(80.9873, 85.3803, 83.0814)
contains.

XYZ(80.9912, 85.5856, 82.7720)	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(80.9912, 85.5856,
82.7720)**

Conversions

Conversions Part 1

Format	Color
Hex	F3EEE0
RGB	243, 238, 224
RGB Percent	95%, 93%, 88%
CMY	0.0471, 0.0666, 0.1216
CMYK	0.00, 0.02, 0.08, 0.05
HSL	44°, 44%, 92%
HSV	44°, 8%, 95%
XYZ	80.9912, 85.5856, 82.7720
YIQ	237.8990, 7.4740, -3.2940

Conversions

Conversions Part 2

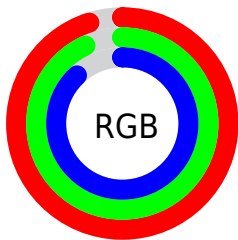
Format	Color
R_{YB}	231, 243, 224
Decimal	15986400
CIE Lab	94.13, -0.69, 7.36
CIE LCh	94, 7.389, 95.376
Yxy	85.5856, 0.3248, 0.3432
Android (android.graphics.Color)	4294176480 (0xFF3EEE0)
YUV	237.8990, -6.8522, 4.4736
Hunter-Lab	92.5125, -5.6268, 11.7113

Details

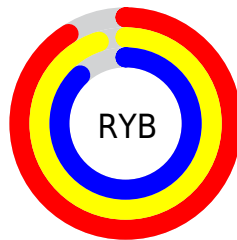
The XYZ color **80.9912, 85.5856, 82.7720** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9373, 78.3556, 95.9693**, and the grayscale version is **81.2392, 85.4700, 93.0768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3829, 46.8853, 44.2466** is the 20% darker color. If you saturate the color by 10%, you get **76.1020, 80.7091, 66.0284**, and if you desaturate by 10%, it is **86.4222, 90.7901, 102.0220**.

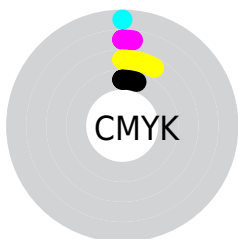
Distribution



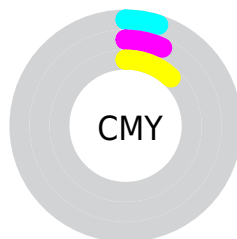
- Red (95%)
- Green (93%)
- Blue (88%)



- Red (91%)
- Yellow (95%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9912, 85.5856, 82.7720 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 80.9912, 85.5856, 82.7720 by changing the saturation by 10% instead.

80.9912, 85.5856,
82.7720

80.9912, 85.5856,
82.7720

486.9528,
513.5638, 524.1774

60.8456, 64.3254,
61.4626

133.7016,
141.1911, 139.1025

44.3527, 46.9142,
44.1656

166.9972,
176.3051, 174.9606

31.1469, 32.9679,
30.4626

205.4068,
216.8058, 216.5053

20.8631, 22.1018,
19.9349

249.2958,
263.0776, 264.1552

13.1359, 13.9317,
12.1641

299.0295,
315.5049, 318.3288

7.5998, 8.0732,
6.7317

354.9734,

3.8896, 4.1418,

374.4721, 379.4447

3.2190

417.4927,
440.3636, 447.9214

■ 1.6399, 1.7532,
1.2075

■ 0.4182, 0.4578,
0.0000

■ 80.9912, 85.5856,
82.7720

■ 80.9912, 85.5856,
82.7720

■ 76.1020, 80.7091,
66.0284

■ 86.4222, 90.7901,
102.0220

■ 71.7269, 76.1400,
51.6806

■ 89.4420, 95.1339,
108.2563

■ 67.8465, 71.8721,
39.6182

■ 90.7725, 97.7949,
108.6998

■ 64.4368, 67.8950,
29.7197

■ 61.4721, 64.1970,
21.8524

■ 58.9237, 60.7655,
15.8689

■ 56.7591, 57.5865,
11.6016

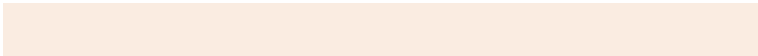
■ 54.9402, 54.6434,
8.8533

■ 53.4156, 51.9145,
7.3574

Harmonies

Analogous

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



82.9395, 85.5856, 83.6449



80.9912, 85.5856, 82.7720



79.1673, 85.5856, 84.5969

Triad

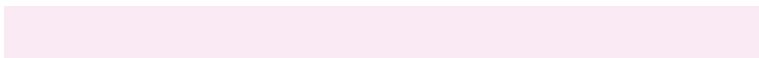
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9912, 85.5856, 82.7720



78.2886, 85.5856, 99.6289



84.8486, 85.5856, 97.7946

Complementary

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



80.9912, 85.5856, 82.7720



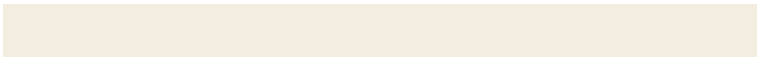
74.9373, 78.3556, 95.9693

Split Complementary

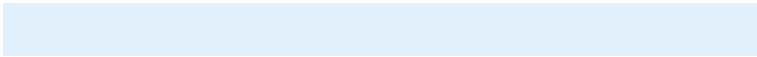
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5654, 85.5856, 102.3423



80.9912, 85.5856, 82.7720



79.7742, 85.5856, 103.4310

Square

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



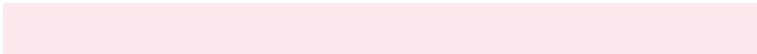
80.9912, 85.5856, 82.7720



77.6232, 85.5856, 94.2111



81.7029, 85.5856, 104.4435



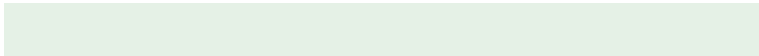
85.1871, 85.5856, 92.1727

Rectangle

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



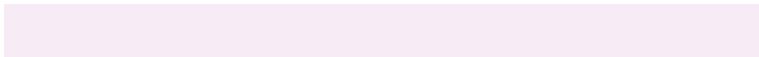
80.9912, 85.5856, 82.7720



78.2608, 85.5856, 87.1429



81.7029, 85.5856, 104.4435



84.5124, 85.5856, 99.5067

Sweetspot

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



80.9936, 85.5893, 82.7738



93.8134, 98.8233, 104.4906



77.7710, 78.0281, 85.1407



20.0929, 21.1647, 22.4115



0.0000, 0.0000, 0.0000



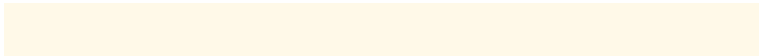
20.3446, 21.4041, 23.3091

Same Dimension

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



80.9936, 85.5893, 82.7738



89.6779, 94.8196, 89.9567



80.9565, 87.7593, 83.1946



17.5245, 18.5331, 17.4512



29.2617, 28.4090, 3.9412



2.6552, 2.6637, 0.3742

Inverse Universe

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



74.9373, 78.3556, 95.9693



81.9439, 85.5820, 106.8078



74.9670, 76.3486, 95.5804



15.9354, 16.6351, 20.9136



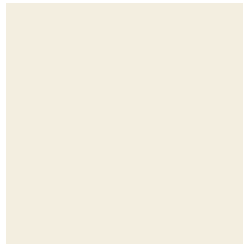
9.9747, 5.7432, 47.1208



0.9572, 0.6658, 4.1683

Previews

White Background



This preview shows how the XYZ color 80.9912, 85.5856, 82.7720 looks on a white background.

Color Contrast Check

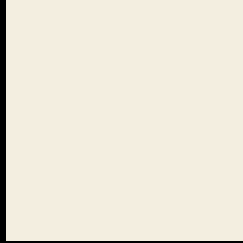
Large Text (above 18pt) WCAG AA × Fail

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 80.9912, 85.5856, 82.7720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

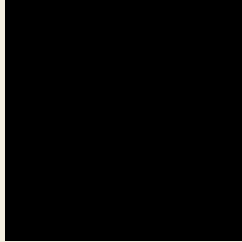
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

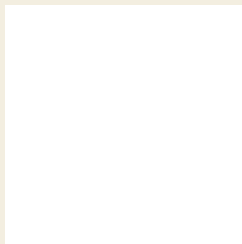
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9912, 85.5856, 82.7720

Background



This preview shows how black text looks on a background with the XYZ color 80.9912, 85.5856, 82.7720.



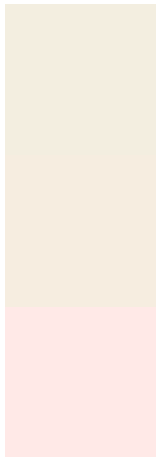
This preview shows how white text looks on a background with the XYZ color 80.9912, 85.5856,

82.7720.

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

80.9912, 85.5856, 82.7720

Protanopia

81.7448, 85.5430, 82.7241

Deuteranopia

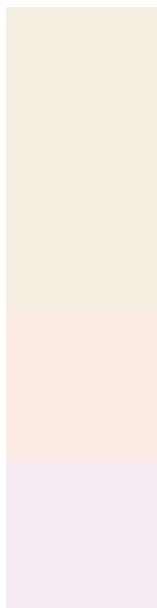
84.8027, 85.3073, 87.5977



Tritanopia

85.3513, 85.6481, 104.1287

Trichromacy



Original Color

80.9912, 85.5856, 82.7720

Protanomaly

81.3949, 85.3627, 82.7077

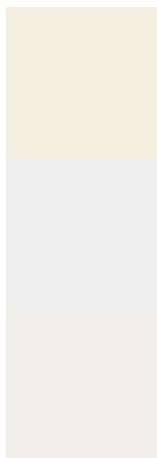
Deuteranomaly

83.4956, 85.5273, 85.5065

Tritanomaly

83.7414, 85.4203, 96.0785

Monochromacy



Original Color

80.9912, 85.5856, 82.7720

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.2177, 85.5575, 89.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9912, 85.5856, 82.7720 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(243, 238, 224) looks like.

```
.text, #text, p{  
    color:rgb(243, 238, 224)  
}
```

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(243, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 238, 224) }
```

Border

The CSS property to change the border of an element to XYZ 80.9912, 85.5856, 82.7720 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(243, 238, 224) }
```


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

```
.border{ border-color:rgb(243, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(243, 238,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9912, 85.5856, 82.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 238, 224) }
```

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

```
.background{ background-color: rgb(243,  
238, 224) }
```

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