

Converting Colors

XYZ(80.2760, 87.1007, 82.2180)

Have a look what the booklet for
XYZ(80.2760, 87.1007, 82.2180)
contains.

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Color

**XYZ(80.3313, 87.0091,
82.3726)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF2DF
RGB	238, 242, 223
RGB Percent	93%, 95%, 87%
CMY	0.0667, 0.0510, 0.1255
CMYK	0.02, 0.00, 0.08, 0.05
HSL	73°, 42%, 91%
HSV	73°, 8%, 95%
XYZ	80.3313, 87.0091, 82.3726
YIQ	238.6380, 3.7150, -6.7570

Conversions

Conversions Part 2

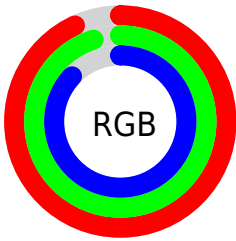
Format	Color
R_{YB}	223, 242, 227
Decimal	15659743
CIE Lab	94.74, -4.60, 8.70
CIE LCh	95, 9.839, 117.878
Yxy	87.0091, 0.3217, 0.3484
Android (android.graphics.Color)	4293849823 (0xFFEEF2DF)
YUV	238.6380, -7.7095, -0.5595
Hunter-Lab	93.2787, -9.5140, 12.9372

Details

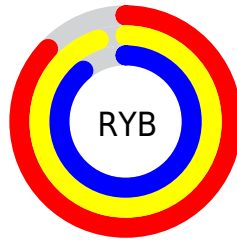
The XYZ color **80.3313, 87.0091, 82.3726** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0966, 75.5194, 94.6804**, and the grayscale version is **81.8207, 86.0817, 93.7430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9182, 47.8900, 43.9748** is the 20% darker color. If you saturate the color by 10%, you get **75.6117, 84.9291, 66.3197**, and if you desaturate by 10%, it is **85.5706, 89.3083, 100.8877**.

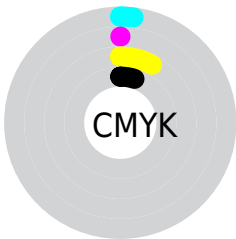
Distribution



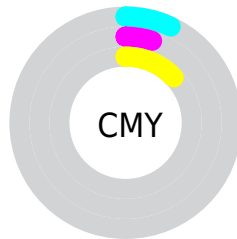
- Red (93%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (89%)



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



- Cyan (7%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3313, 87.0091, 82.3726 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 80.3313, 87.0091, 82.3726 by changing the saturation by 10% instead.

80.3313, 87.0091,
82.3726

80.3313, 87.0091,
82.3726

484.7682,
518.2528, 522.8093

60.3004, 65.5027,
61.1351

132.7795,
143.1768, 138.5378

43.9112, 47.8688,
43.9029

165.9275,
178.6070, 174.3025

30.7983, 33.7230,
30.2576

204.1787,
219.4472, 215.7467

20.5964, 22.6809,
19.7805

247.8982,
266.0818, 263.2890

12.9401, 14.3581,
12.0531

297.4516,
318.8953, 317.3479

7.4640, 8.3701,
6.6569

353.2042,

3.8028, 4.3327,

378.2720, 378.3418

3.1733

415.5212,
444.5964, 446.6895

■ 1.5912, 1.8613,
1.1838

■ 0.3867, 0.5250,
0.0000

■ 80.3313, 87.0091,
82.3726

■ 80.3313, 87.0091,
82.3726

■ 75.6117, 84.9291,
66.3197

■ 85.5706, 89.3083,
100.8877

■ 71.3846, 83.0488,
52.6198

■ 88.5864, 90.7208,
107.4496

■ 67.6309, 81.3634,
41.1636

■ 90.4212, 91.6667,
107.5355

■ 64.3274, 79.8635,
31.8310

■ 91.0439, 91.9877,
107.5646

■ 61.4487, 78.5389,
24.4909

■ 58.9667, 77.3784,
18.9975

■ 56.8497, 76.3693,
15.1852

■ 55.0600, 75.4963,
12.8586

■ 53.5470, 74.7392,
11.7531

Harmonies

Analogous

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



82.8891, 87.0091, 80.8429



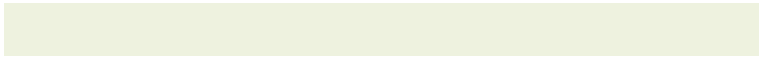
80.3313, 87.0091, 82.3726



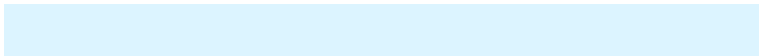
78.4436, 87.0091, 87.1619

Triad

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



80.3313, 87.0091, 82.3726



80.0100, 87.0091, 107.6912



87.9160, 87.0091, 95.2815

Complementary

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



80.3313, 87.0091, 82.3726



74.0966, 75.5194, 94.6804

Split Complementary

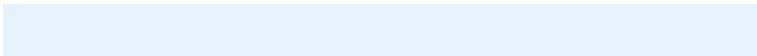
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1067, 87.0091, 102.7411



80.3313, 87.0091, 82.3726



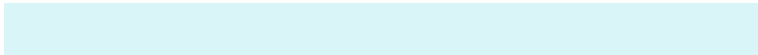
82.5103, 87.0091, 110.1407

Square

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



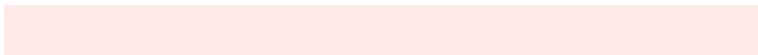
80.3313, 87.0091, 82.3726



78.2609, 87.0091, 101.7527



85.1139, 87.0091, 108.2831



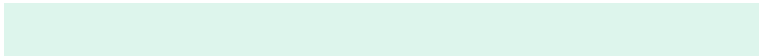
87.3029, 87.0091, 88.0536

Rectangle

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



80.3313, 87.0091, 82.3726



77.7997, 87.0091, 91.6956



85.1139, 87.0091, 108.2831



87.8009, 87.0091, 97.8472

Sweetspot

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



80.3337, 87.0129, 82.3745



93.8454, 99.4726, 104.6142



77.3546, 79.0364, 80.9919



20.0994, 21.2968, 22.4366



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

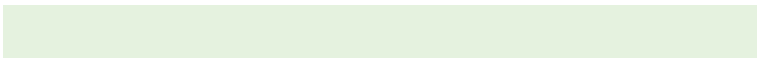
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3337, 87.0129, 82.3745



89.8157, 97.7033, 90.5060



77.2918, 85.4447, 82.2321



16.7778, 18.2811, 16.7940



28.7189, 40.1267, 6.2316



2.4697, 3.3797, 0.5222

Inverse Universe

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



74.0966, 75.5194, 94.6804



81.8077, 82.9463, 106.3062



77.1094, 77.0726, 94.8214



15.2085, 15.3892, 19.8904



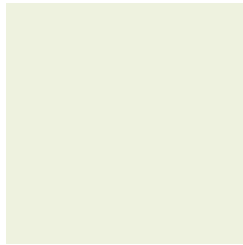
9.4348, 3.8692, 45.3774



0.8654, 0.3634, 3.7787

Previews

White Background



This preview shows how the XYZ color 80.3313, 87.0091, 82.3726 looks on a white background.

Color Contrast Check

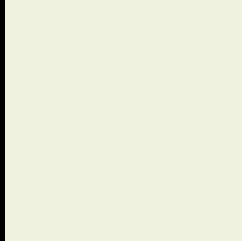
Large Text (above 18pt) WCAG AA × Fail

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 80.3313, 87.0091, 82.3726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

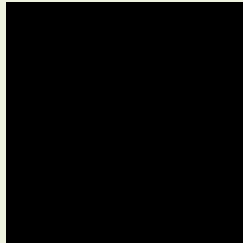
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

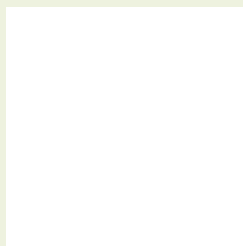
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3313, 87.0091, 82.3726

Background



This preview shows how black text looks on a background with the XYZ color 80.3313, 87.0091, 82.3726.



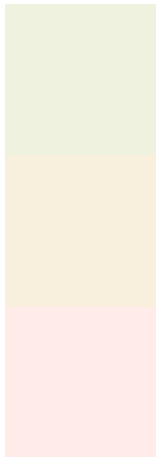
This preview shows how white text looks on a background with the XYZ color 80.3313, 87.0091,

82.3726.

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

80.3313, 87.0091, 82.3726

Protanopia

82.6290, 86.9099, 80.8269

Deuteranopia

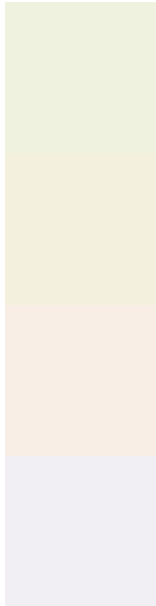
85.8009, 87.0771, 88.6293



Tritanopia

85.2963, 86.8431, 106.8745

Trichromacy



Original Color

80.3313, 87.0091, 82.3726

Protanomaly

81.6531, 86.8272, 81.5630

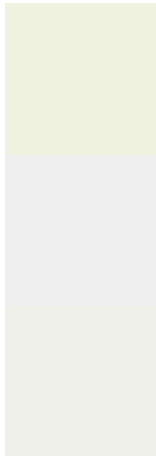
Deuteranomaly

83.7843, 86.9460, 86.4951

Tritanomaly

83.3198, 86.9048, 97.1769

Monochromacy



Original Color

80.3313, 87.0091, 82.3726

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.4647, 86.5541, 89.5038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3313, 87.0091, 82.3726 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(238, 242, 223) looks like.

```
.text, #text, p{  
    color:rgb(238, 242, 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(238, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 242, 223) }
```

Border

The CSS property to change the border of an element to XYZ 80.3313, 87.0091, 82.3726 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(238, 242, 223) }
```


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

```
.border{ border-color:rgb(238, 242, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 242, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(238, 242,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3313, 87.0091, 82.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 242, 223) }
```

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

```
.background{ background-color: rgb(238,  
242, 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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