

Converting Colors

XYZ(80.3699, 87.2180, 78.9751)

Have a look what the booklet for
XYZ(80.3699, 87.2180, 78.9751)
contains.

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Color

**XYZ(80.3422, 87.0915,
78.9055)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | F0F2DA |
| RGB | 240, 242, 218 |
| RGB Percent | 94%, 95%, 85% |
| CMY | 0.0588, 0.0510, 0.1451 |
| CMYK | 0.01, 0.00, 0.10, 0.05 |
| HSL | 65°, 48%, 90% |
| HSV | 65°, 10%, 95% |
| XYZ | 80.3422, 87.0915, 78.9055 |
| YIQ | 238.6660, 6.5120, -7.8880 |

Conversions

Conversions Part 2

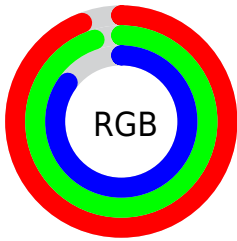
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 218, 242, 220 |
| Decimal | 15790810 |
| CIE _{Lab} | 94.78, -4.73, 11.35 |
| CIE _{LCh} | 95, 12.297, 112.621 |
| Yxy | 87.0915, 0.3261, 0.3535 |
| Android (android.graphics.Color) | 4293980890 (0xFFFF0F2DA) |
| YUV | 238.6660, -10.1883, 1.1699 |
| Hunter-Lab | 93.3228, -9.6432, 15.1956 |

Details

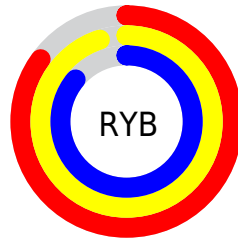
The XYZ color **80.3422, 87.0915, 78.9055** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.6170, 71.7716, 94.1405**, and the grayscale version is **81.8596, 86.1227, 93.7876**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9369, 47.9525, 41.5904** is the 20% darker color. If you saturate the color by 10%, you get **76.7223, 85.5676, 63.3945**, and if you desaturate by 10%, it is **84.4370, 88.8120, 96.8560**.

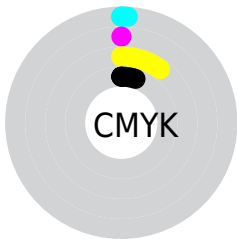
Distribution



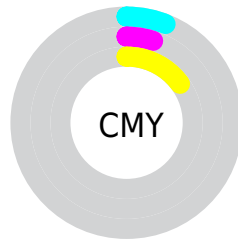
- Red (94%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (86%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3422, 87.0915, 78.9055 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 80.3422, 87.0915, 78.9055 by changing the saturation by 10% instead.

80.3422, 87.0915,
78.9055

80.3422, 87.0915,
78.9055

484.8043,
518.5235, 510.8458

60.3094, 65.5709,
58.2973

132.7947,
143.2917, 133.6233

43.9185, 47.9242,
41.6314

165.9452,
178.7401, 168.5699

30.8041, 33.7668,
28.4894

204.1990,
219.5998, 209.1330

20.6008, 22.7145,
18.4526

247.9213,
266.2554, 255.7313

12.9433, 14.3829,
11.1026

297.4777,
319.0912, 308.7831

7.4662, 8.3874,
6.0209

353.2334,

3.8043, 4.3438,

378.4915, 368.7071

2.7888

415.5538,
444.8408, 435.9218

■ 1.5920, 1.8677,
0.9878

■ 0.3872, 0.5289,
0.0000

■ 80.3422, 87.0915,
78.9055

■ 80.3422, 87.0915,
78.9055

■ 76.7223, 85.5676,
63.3945

■ 84.4370, 88.8120,
96.8560

■ 73.5502, 84.2208,
50.2122

■ 87.1273, 89.9687,
107.3813

■ 70.8067, 83.0463,
39.2477

■ 87.8327, 90.3324,
107.4144

■ 68.4688, 82.0349,
30.3790

■ 88.5459, 90.7000,
107.4477

66.5109, 81.1764,
23.4721

89.2668, 91.0716,
107.4815

64.9046, 80.4595,
18.3777

89.9954, 91.4473,
107.5156

63.6175, 79.8710,
14.9251

90.7319, 91.8269,
107.5500

62.6110, 79.3957,
12.9109

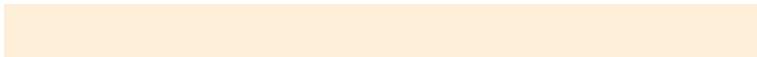
91.0439, 91.9878,
107.5646

61.8209, 79.0078,
11.9974

Harmonies

Analogous

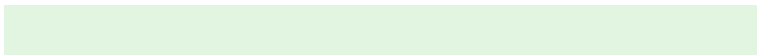
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6020, 87.0915, 77.7983



80.3422, 87.0915, 78.9055



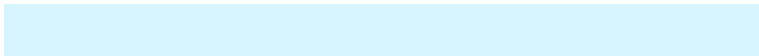
77.7990, 87.0915, 84.1372

Triad

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



80.3422, 87.0915, 78.9055



78.9556, 87.0915, 110.1401



89.2838, 87.0915, 97.1997

Complementary

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



80.3422, 87.0915, 78.9055



70.6170, 71.7716, 94.1405

Split Complementary

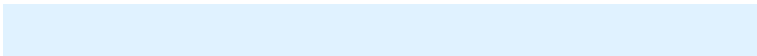
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9647, 87.0915, 106.3877



80.3422, 87.0915, 78.9055



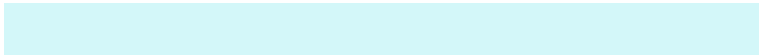
81.9592, 87.0915, 114.1770

Square

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



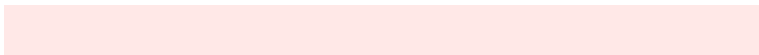
80.3422, 87.0915, 78.9055



77.0136, 87.0915, 102.0488



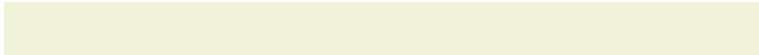
85.2623, 87.0915, 112.7598



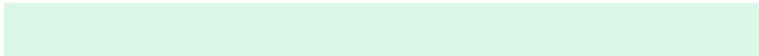
88.8228, 87.0915, 87.9558

Rectangle

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



80.3422, 87.0915, 78.9055



76.8231, 87.0915, 89.4615



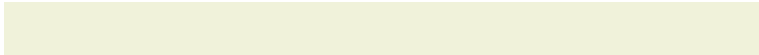
85.2623, 87.0915, 112.7598



89.0327, 87.0915, 100.4046

Sweetspot

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



80.3446, 87.0953, 78.9074



93.6079, 99.3960, 102.5308



74.8689, 75.1279, 76.8860



19.9552, 21.2410, 21.5907



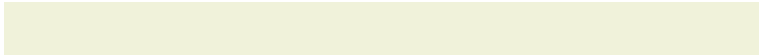
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.3446, 87.0953, 78.9074



89.5748, 97.7020, 84.9430



76.4051, 85.0644, 78.7230



16.9851, 18.3880, 16.8037



33.2625, 42.4690, 6.4442



2.8052, 3.5527, 0.5379

Inverse Universe

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



70.6170, 71.7716, 94.1405



76.4779, 77.0703, 105.4530



74.3799, 73.7114, 94.3166



15.0196, 15.2918, 19.8816



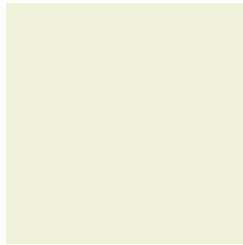
8.8123, 3.5483, 45.3483



0.7749, 0.3167, 3.7745

Previews

White Background



This preview shows how the XYZ color 80.3422, 87.0915, 78.9055 looks on a white background.

Color Contrast Check

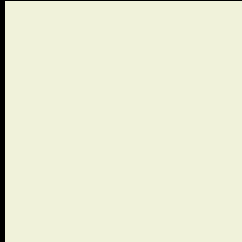
Large Text (above 18pt) WCAG AA × Fail

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 80.3422, 87.0915, 78.9055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

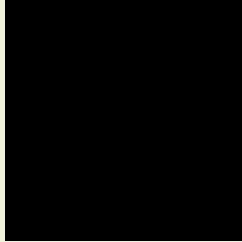
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

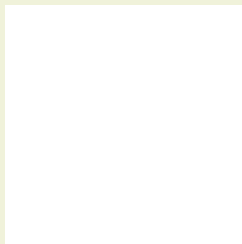
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3422, 87.0915, 78.9055

Background



This preview shows how black text looks on a background with the XYZ color 80.3422, 87.0915, 78.9055.

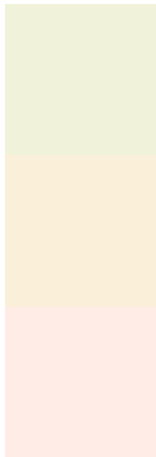


This preview shows how white text looks on a background with the XYZ color 80.3422, 87.0915,

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

80.3422, 87.0915, 78.9055

Protanopia

82.6855, 87.0149, 77.4033

Deuteranopia

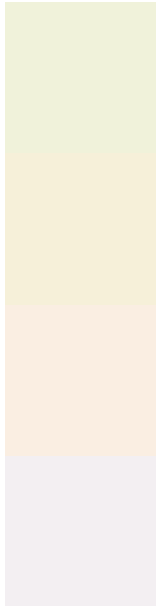
85.6593, 87.0204, 78.8832



Tritanopia

85.9904, 87.2009, 106.9070

Trichromacy



Original Color

80.3422, 87.0915, 78.9055

Protanomaly

81.6905, 86.9228, 78.1179

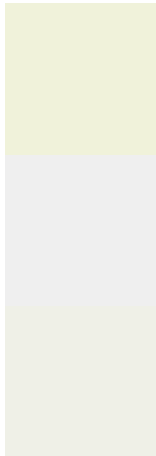
Deuteranomaly

83.7263, 86.9641, 84.3244

Tritanomaly

83.8557, 87.1985, 96.4157

Monochromacy



Original Color

80.3422, 87.0915, 78.9055

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.1805, 86.4404, 88.0073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3422, 87.0915, 78.9055 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(240, 242, 218) looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 218)  
}
```

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(240, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 218) }
```

Border

The CSS property to change the border of an element to XYZ 80.3422, 87.0915, 78.9055 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(240, 242, 218) }
```


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

```
.border{ border-color:rgb(240, 242, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3422, 87.0915, 78.9055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 218) }
```

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

```
.background{ background-color: rgb(240,  
242, 218) }
```

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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