

Converting Colors

XYZ(80.2989, 88.1759, 76.8251)

Have a look what the booklet for
XYZ(80.2989, 88.1759, 76.8251)
contains.

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Color

**XYZ(80.2130, 87.9584,
77.0400)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | EFF4D7 |
| RGB | 239, 244, 215 |
| RGB Percent | 94%, 96%, 84% |
| CMY | 0.0627, 0.0431, 0.1569 |
| CMYK | 0.02, 0.00, 0.12, 0.04 |
| HSL | 70°, 57%, 90% |
| HSV | 70°, 12%, 96% |
| XYZ | 80.2130, 87.9584, 77.0400 |
| YIQ | 239.1990, 6.3290, -10.0790 |

Conversions

Conversions Part 2

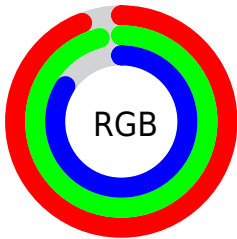
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 215, 244, 220 |
| Decimal | 15725783 |
| CIE Lab | 95.14, -6.56, 13.41 |
| CIE LCh | 95, 14.929, 116.076 |
| Yxy | 87.9584, 0.3271, 0.3587 |
| Android (android.graphics.Color) | 4293915863 (0xFFEFF4D7) |
| YUV | 239.1990, -11.9301, -0.1745 |
| Hunter-Lab | 93.7861, -11.4590, 16.9469 |

Details

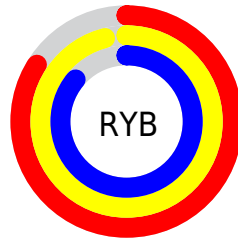
The XYZ color **80.2130, 87.9584, 77.0400** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.1483, 70.3506, 95.4745**, and the grayscale version is **82.2877, 86.5730, 94.2780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8568, 48.5718, 40.3215** is the 20% darker color. If you saturate the color by 10%, you get **75.9043, 86.0755, 61.6742**, and if you desaturate by 10%, it is **85.0272, 90.0531, 94.8741**.

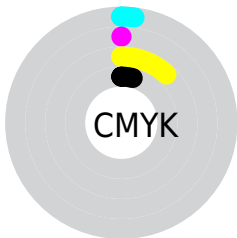
Distribution



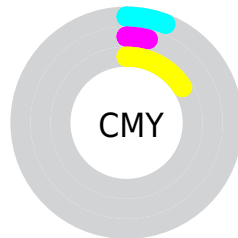
- Red (94%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (86%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2130, 87.9584, 77.0400 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 80.2130, 87.9584, 77.0400 by changing the saturation by 10% instead.

80.2130, 87.9584,
77.0400

80.2130, 87.9584,
77.0400

484.3760,
521.3670, 504.3417

60.2027, 66.2886,
56.7739

132.6141,
144.4992, 130.9695

43.8321, 48.5067,
40.4156

165.7356,
180.1391, 165.4700

30.7359, 34.2284,
27.5465

203.9583,
221.2044, 205.5524

20.5487, 23.0691,
17.7480

247.6475,
268.0796, 251.6352

12.9051, 14.6445,
10.6017

297.1684,
321.1491, 304.1370

7.4398, 8.5703,
5.6889

352.8866,

3.7874, 4.4620,

380.7972, 363.4763

2.5911

415.1673,
447.4084, 430.0717

■ 1.5826, 1.9352,
0.8879

■ 0.3810, 0.5694,
0.0000

■ 80.2130, 87.9584,
77.0400

■ 80.2130, 87.9584,
77.0400

■ 75.9043, 86.0755,
61.6742

■ 85.0272, 90.0531,
94.8741

■ 72.0733, 84.3845,
48.6622

■ 88.9094, 91.7760,
107.6363

■ 68.6998, 82.8804,
37.8892

■ 90.4146, 92.5520,
107.7067

■ 65.7596, 81.5533,
29.2285

■ 91.6425, 93.1850,
107.7642

■ 63.2259, 80.3926,
22.5406

■ 61.0690, 79.3862,
17.6695

■ 59.2544, 78.5205,
14.4353

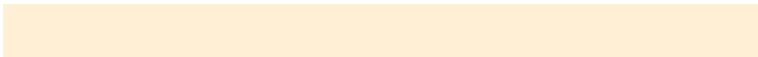
■ 57.7409, 77.7788,
12.6219

■ 56.6823, 77.2474,
11.9228

Harmonies

Analogous

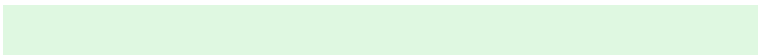
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1378, 87.9584, 75.1306



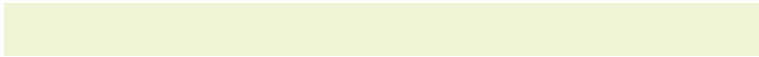
80.2130, 87.9584, 77.0400



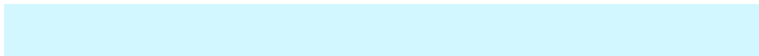
77.2825, 87.9584, 83.8146

Triad

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



80.2130, 87.9584, 77.0400



79.3152, 87.9584, 115.5726



91.6444, 87.9584, 97.3116

Complementary

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



80.2130, 87.9584, 77.0400



70.1483, 70.3506, 95.4745

Split Complementary

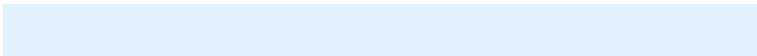
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2566, 87.9584, 108.8153



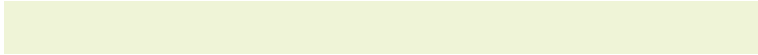
80.2130, 87.9584, 77.0400



83.0681, 87.9584, 119.8845

Square

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



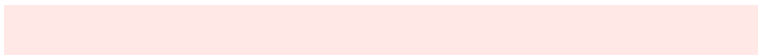
80.2130, 87.9584, 77.0400



76.7761, 87.9584, 105.9521



87.0848, 87.9584, 117.3175



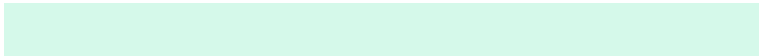
90.8206, 87.9584, 86.2654

Rectangle

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



80.2130, 87.9584, 77.0400



76.2426, 87.9584, 90.4858



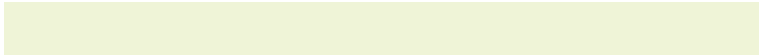
87.0848, 87.9584, 117.3175



91.4200, 87.9584, 101.2597

Sweetspot

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



80.2154, 87.9622, 77.0419



92.8063, 99.0281, 100.4491



75.1265, 75.2409, 74.8546



19.7763, 21.1579, 21.1709



0.0000, 0.0000, 0.0000



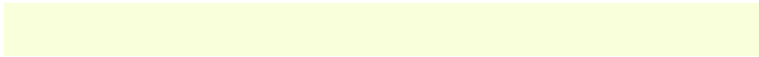
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2154, 87.9622, 77.0419



87.5954, 96.7605, 81.2850



75.5670, 85.5659, 76.8244



17.6177, 19.1605, 17.5674



30.9221, 42.0537, 6.4874



2.7901, 3.7334, 0.5736

Inverse Universe

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



70.1483, 70.3506, 95.4745



74.6550, 74.1214, 104.9799



74.6737, 72.6836, 95.6863



15.8477, 16.0641, 20.8080



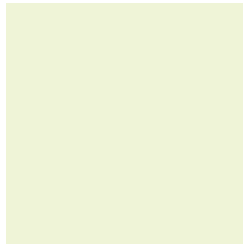
9.4784, 3.8606, 46.7836



0.9071, 0.3775, 4.1153

Previews

White Background



This preview shows how the XYZ color 80.2130, 87.9584, 77.0400 looks on a white background.

Color Contrast Check

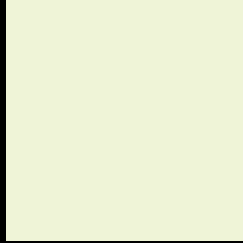
Large Text (above 18pt) WCAG AA × Fail

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 80.2130, 87.9584, 77.0400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

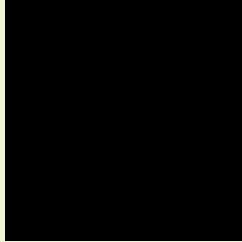
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

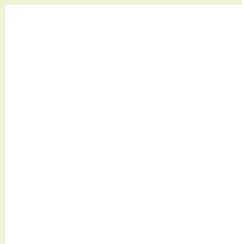
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2130, 87.9584, 77.0400

Background



This preview shows how black text looks on a background with the XYZ color 80.2130, 87.9584, 77.0400.



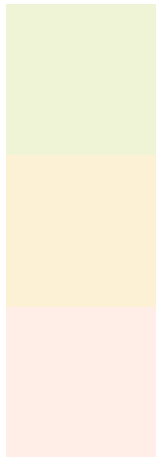
This preview shows how white text looks on a background with the XYZ color 80.2130, 87.9584,

77.0400.

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

80.2130, 87.9584, 77.0400

Protanopia

83.3152, 87.8197, 75.5105

Deuteranopia

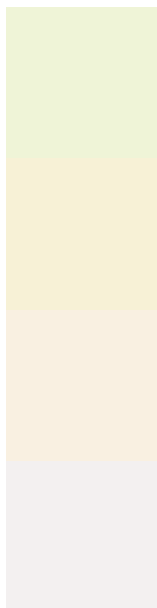
85.9480, 87.5979, 87.9794



Tritanopia

86.2807, 87.7815, 107.0038

Trichromacy



Original Color

80.2130, 87.9584, 77.0400

Protanomaly

81.9507, 87.5398, 76.1959

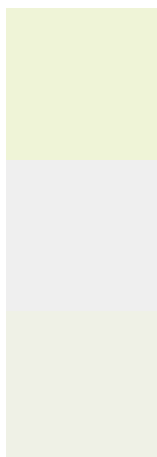
Deuteranomaly

83.8176, 87.8962, 83.7822

Tritanomaly

83.8504, 87.6661, 94.9399

Monochromacy



Original Color

80.2130, 87.9584, 77.0400

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.3348, 86.9745, 87.3639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2130, 87.9584, 77.0400 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(239, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(239, 244, 215)  
}
```

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(239, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 244, 215) }
```

Border

The CSS property to change the border of an element to XYZ 80.2130, 87.9584, 77.0400 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(239, 244, 215) }
```


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

```
.border{ border-color:rgb(239, 244, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 244, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(239, 244,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2130, 87.9584, 77.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 244, 215) }
```

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

```
.background{ background-color: rgb(239,  
244, 215) }
```

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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