

Converting Colors

XYZ(80.3589, 82.2214, 85.7477)

Have a look what the booklet for
XYZ(80.3589, 82.2214, 85.7477)
contains.

XYZ(80.3750, 82.2214, 85.7629)	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(80.3750, 82.2214,
85.7629)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E7E5
RGB	245, 231, 229
RGB Percent	96%, 91%, 90%
CMY	0.0392, 0.0941, 0.1020
CMYK	0.00, 0.06, 0.07, 0.04
HSL	8°, 44%, 93%
HSV	8°, 7%, 96%
XYZ	80.3750, 82.2214, 85.7629
YIQ	234.9580, 8.9860, 2.3460

Conversions

Conversions Part 2

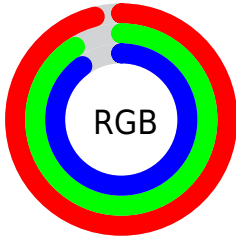
Format	Color
R _Y B	245, 231, 229
Decimal	16115685
CIE Lab	92.67, 4.41, 2.66
CIE LCh	93, 5.148, 31.143
Yxy	82.2214, 0.3236, 0.3311
Android (android.graphics.Color)	4294305765 (0xFF5E7E5)
YUV	234.9580, -2.9373, 8.8068
Hunter-Lab	90.6760, -0.4611, 7.3957

Details

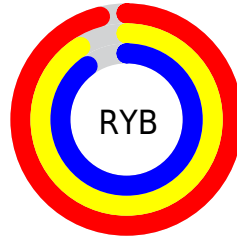
The XYZ color **80.3750, 82.2214, 85.7629** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8451, 87.3506, 98.9867**, and the grayscale version is **78.9525, 83.0642, 90.4569**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9562, 44.5348, 46.3237** is the 20% darker color. If you saturate the color by 10%, you get **71.5577, 69.6797, 67.1207**, and if you desaturate by 10%, it is **90.4143, 96.4323, 107.1962**.

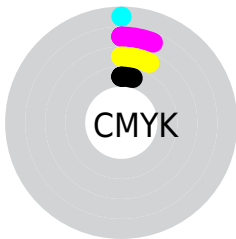
Distribution



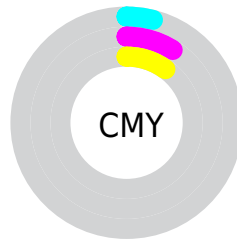
- Red (96%)
- Green (91%)
- Blue (90%)



- Red (96%)
- Yellow (91%)
- Blue (90%)



- Cyan (0%)
- Magenta (6%)
- Yellow (7%)
- Black (4%)





- Cyan (4%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3750, 82.2214, 85.7629 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 80.3750, 82.2214, 85.7629 by changing the saturation by 10% instead.


 80.3750, 82.2214,
85.7629

 80.3750, 82.2214,
85.7629


484.9130,
502.3880, 534.3594

 60.3365, 61.5480,
63.9182


132.8406,
136.4844, 143.3222

 43.9404, 44.6676,
46.1386


165.9984,
170.8429, 179.8738

 30.8214, 31.1957,
32.0058


204.2600,
210.5319, 222.1648

 20.6140, 20.7479,
21.1011

247.9909,
255.9357, 270.6137

 12.9530, 12.9399,
13.0059

297.5562,
307.4389, 325.6391

 7.4730, 7.3871,
7.3019

353.3215,

 3.8086, 3.7054,

365.4257, 387.6595

3.5703

415.6519,
430.2806, 457.0934

■ 1.5944, 1.5102,
1.3927

■ 0.3888, 0.2959,
0.1360

■ 80.3750, 82.2214,
85.7629

■ 80.3750, 82.2214,
85.7629

■ 71.5577, 69.6797,
67.1207

■ 90.4143, 96.4323,
107.1962

■ 63.9088, 58.7355,
51.1495

■ 91.4667, 98.1527,
108.7323

■ 57.3812, 49.3279,
37.7284

■ 51.9217, 41.3878,
26.7252

■ 47.4730, 34.8411,
17.9956

■ 43.9721, 29.6068,
11.3799

■ 41.3491, 25.5958,
6.6979

■ 39.5238, 22.7077,
3.7388

■ 38.4003, 20.8254,
2.2399

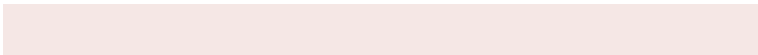
Harmonies

Analogous

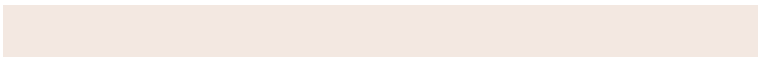
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7534, 82.2214, 89.3781



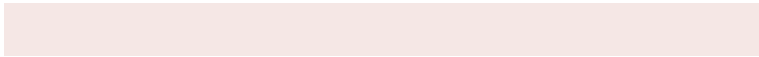
80.3750, 82.2214, 85.7629



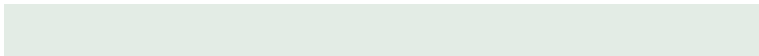
79.3991, 82.2214, 83.2167

Triad

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



80.3750, 82.2214, 85.7629



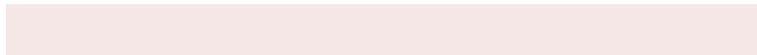
75.9140, 82.2214, 86.0108



78.2004, 82.2214, 97.1072

Complementary

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



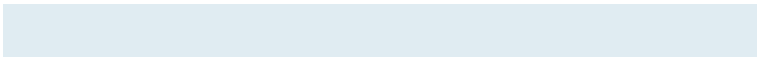
80.3750, 82.2214, 85.7629



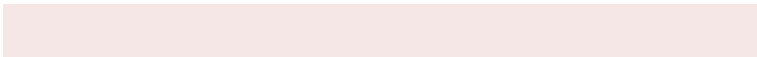
80.8451, 87.3506, 98.9867

Split Complementary

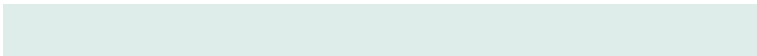
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9120, 82.2214, 96.1446



80.3750, 82.2214, 85.7629



75.6011, 82.2214, 89.6723

Square

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



80.3750, 82.2214, 85.7629



76.8240, 82.2214, 83.3569



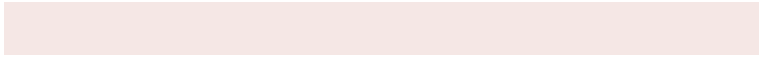
75.9644, 82.2214, 93.3958



79.4891, 82.2214, 95.9904

Rectangle

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



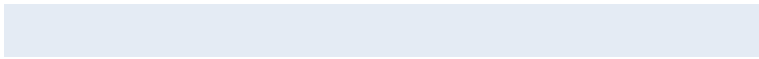
80.3750, 82.2214, 85.7629



78.5464, 82.2214, 82.4302



75.9644, 82.2214, 93.3958



77.7529, 82.2214, 97.0159

Sweetspot

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



80.3773, 82.2250, 85.7647



92.8329, 96.8624, 104.1638



81.8745, 81.9315, 96.3999



19.8933, 20.7654, 22.3449



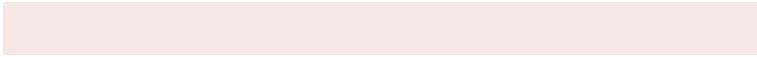
0.0000, 0.0000, 0.0000



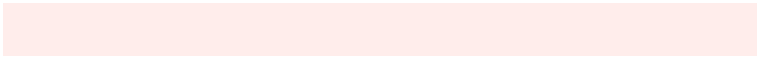
20.3446, 21.4041, 23.3091

Same Dimension

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



80.3773, 82.2250, 85.7647



86.5068, 87.8933, 90.7003



82.6277, 86.7259, 86.5148



16.6664, 16.8168, 17.1651



20.5989, 11.0833, 1.0536



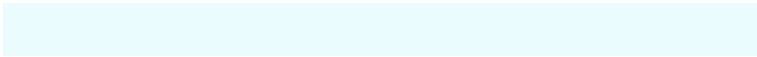
1.8627, 1.0786, 0.1100

Inverse Universe

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



80.8451, 87.3506, 98.9867



87.1293, 94.7147, 108.2973



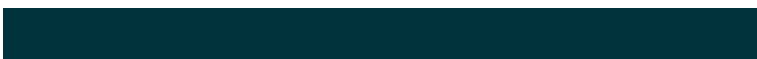
78.5423, 82.7449, 98.2191



16.8092, 18.3828, 21.2049



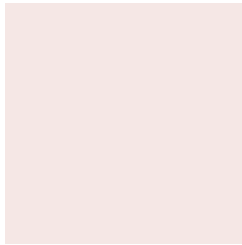
21.9467, 29.6873, 51.1115



1.9775, 2.7065, 4.5084

Previews

White Background



This preview shows how the XYZ color 80.3750, 82.2214, 85.7629 looks on a white background.

Color Contrast Check

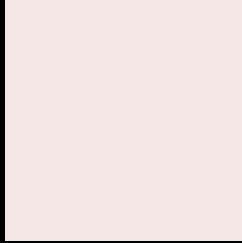
Large Text (above 18pt) WCAG AA × Fail

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 80.3750, 82.2214, 85.7629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

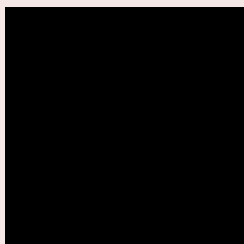
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

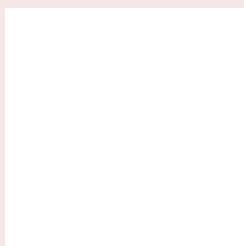
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3750, 82.2214, 85.7629

Background



This preview shows how black text looks on a background with the XYZ color 80.3750, 82.2214, 85.7629.



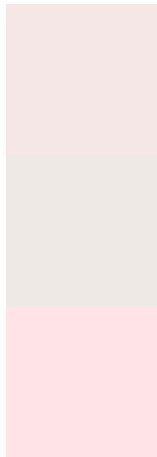
This preview shows how white text looks on a background with the XYZ color 80.3750, 82.2214,

85.7629.

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

80.3750, 82.2214, 85.7629

Protanopia

79.0184, 82.3417, 86.5917

Deuteranopia

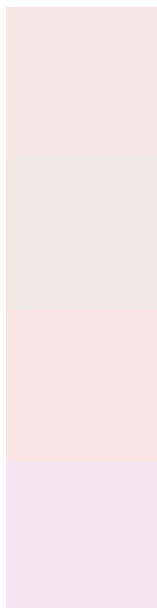
82.9920, 81.9113, 86.2992



Tritanopia

82.7357, 81.9148, 98.6393

Trichromacy



Original Color

80.3750, 82.2214, 85.7629

Protanomaly

79.4152, 82.1272, 86.5294

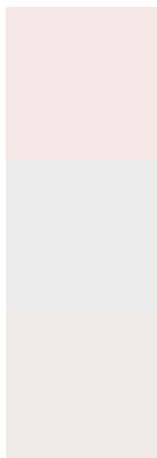
Deuteranomaly

81.8100, 81.7092, 86.3225

Tritanomaly

81.7535, 81.9227, 93.9419

Monochromacy



Original Color

80.3750, 82.2214, 85.7629

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.7274, 83.0796, 88.9247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3750, 82.2214, 85.7629 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(245, 231, 229) looks like.

```
.text, #text, p{  
    color:rgb(245, 231, 229)  
}
```

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(245, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 231, 229) }
```

Border

The CSS property to change the border of an element to XYZ 80.3750, 82.2214, 85.7629 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(245, 231, 229) }
```


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

```
.border{ border-color:rgb(245, 231, 229) }
```

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

Here you see how a box with a 4 pixel rgb(245, 231, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 231, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 231, 229);  
box-shadow:4px 4px 4px 4px rgb(245, 231,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3750, 82.2214, 85.7629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 231, 229) }
```

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

```
.background{ background-color: rgb(245,  
231, 229) }
```

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