

Converting Colors

XYZ(80.7092, 82.7574, 82.8871)

Have a look what the booklet for
XYZ(80.7092, 82.7574, 82.8871)
contains.

XYZ(80.8050, 82.9236, 82.9811)	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(80.8050, 82.9236,
82.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E8E1
RGB	247, 232, 225
RGB Percent	97%, 91%, 88%
CMY	0.0314, 0.0902, 0.1176
CMYK	0.00, 0.06, 0.09, 0.03
HSL	19°, 58%, 93%
HSV	19°, 9%, 97%
XYZ	80.8050, 82.9236, 82.9811
YIQ	235.6870, 11.1870, 1.0030

Conversions

Conversions Part 2

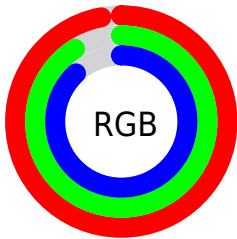
Format	Color
RYB	247, 235, 225
Decimal	16247009
CIELab	92.98, 3.92, 5.21
CIELCh	93, 6.521, 53.074
Yxy	82.9236, 0.3275, 0.3361
Android (android.graphics.Color)	4294437089 (0xFFFF7E8E1)
YUV	235.6870, -5.2687, 9.9215
Hunter-Lab	91.0624, -0.9657, 9.7153

Details

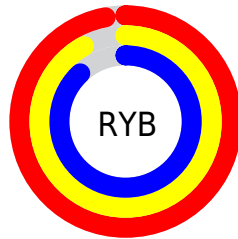
The XYZ color **80.8050, 82.9236, 82.9811** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.9997, 85.0417, 100.2477**, and the grayscale version is **79.5244, 83.6659, 91.1122**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2669, 45.0293, 44.3886** is the 20% darker color. If you saturate the color by 10%, you get **73.1625, 72.6460, 64.9945**, and if you desaturate by 10%, it is **89.3936, 94.3115, 103.6899**.

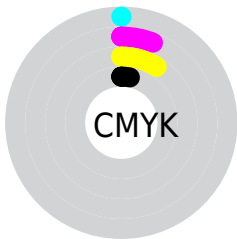
Distribution



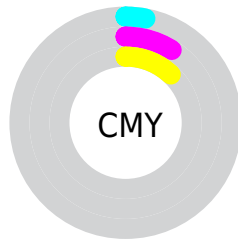
- Red (97%)
- Green (91%)
- Blue (88%)



- Red (97%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8050, 82.9236, 82.9811 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 80.8050, 82.9236, 82.9811 by changing the saturation by 10% instead.

80.8050, 82.9236,
82.9811

80.8050, 82.9236,
82.9811

486.3369,
504.7319, 524.8929

60.6918, 62.1271,
61.6340

133.4415,
137.4685, 139.3980

44.2280, 45.1354,
44.3032

166.6955,
171.9856, 175.3049

31.0485, 31.5641,
30.5700

205.0604,
211.8451, 216.9022

20.7878, 21.0288,
20.0159

248.9017,
257.4314, 264.6083

13.0806, 13.1450,
12.2224

298.5846,
309.1288, 318.8420

7.5614, 7.5285,
6.7710

354.4746,

3.8650, 3.7948,

367.3218, 380.0216

3.2430

416.9369,
432.3947, 448.5657

■ 1.6261, 1.5594,
1.2200

■ 0.4093, 0.3300,
0.0000

■ 80.8050, 82.9236,
82.9811

■ 80.8050, 82.9236,
82.9811

■ 73.1625, 72.6460,
64.9945

■ 89.3936, 94.3115,
103.6899

■ 66.4257, 63.4341,
49.6108

■ 92.1682, 98.5144,
108.7651

■ 60.5613, 55.2560,
36.7097

■ 55.5313, 48.0742,
26.1592

■ 51.2943, 41.8489,
17.8151

■ 47.8056, 36.5371,
11.5171

■ 45.0149, 32.0924,
7.0826

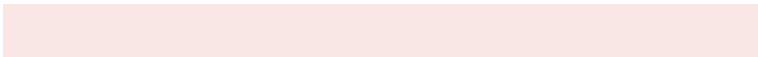
■ 42.8648, 28.4635,
4.2962

■ 41.2770, 25.5883,
2.8410

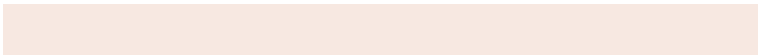
Harmonies

Analogous

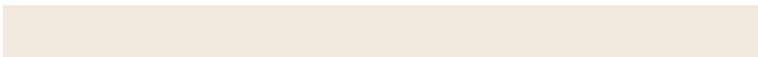
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8751, 82.9236, 86.6552



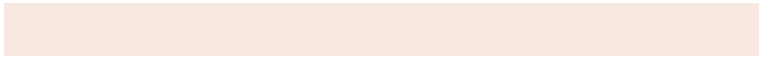
80.8050, 82.9236, 82.9811



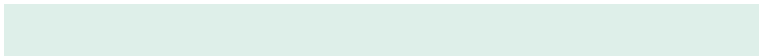
79.2129, 82.9236, 81.2752

Triad

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



80.8050, 82.9236, 82.9811



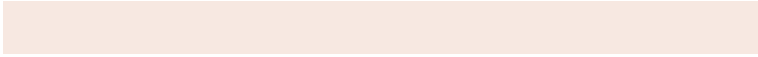
75.6025, 82.9236, 89.1607



80.1099, 82.9236, 99.2177

Complementary

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



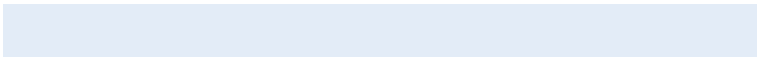
80.8050, 82.9236, 82.9811



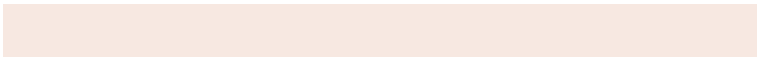
78.9997, 85.0417, 100.2477

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.



78.4212, 82.9236, 99.9473



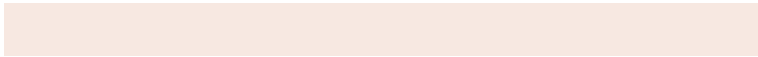
80.8050, 82.9236, 82.9811



75.8349, 82.9236, 94.0244

Square

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



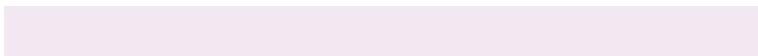
80.8050, 82.9236, 82.9811



76.2213, 82.9236, 84.7587



76.8607, 82.9236, 98.0153



81.4697, 82.9236, 96.0563

Rectangle

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



80.8050, 82.9236, 82.9811



78.0762, 82.9236, 81.4385



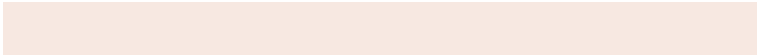
76.8607, 82.9236, 98.0153



79.5612, 82.9236, 99.7600

Sweetspot

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



80.8073, 82.9272, 82.9829



92.2016, 96.2351, 101.9948



81.0172, 79.9190, 93.6209



19.5754, 20.3868, 21.4459



0.0000, 0.0000, 0.0000



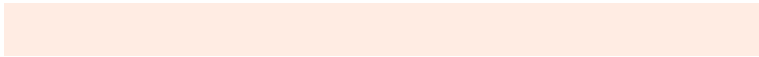
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8073, 82.9272, 82.9829



85.0593, 86.7254, 84.8934



83.9900, 89.2927, 84.0438



16.9297, 17.3436, 17.2529



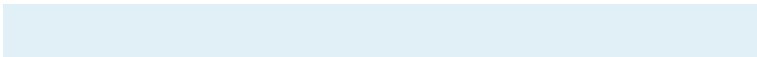
21.8639, 13.6133, 1.4753



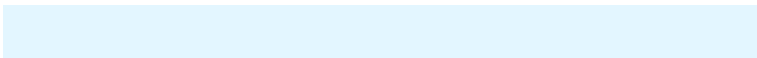
2.0103, 1.3739, 0.1592

Inverse Universe

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



78.9997, 85.0417, 100.2477



82.6897, 89.4965, 107.5241



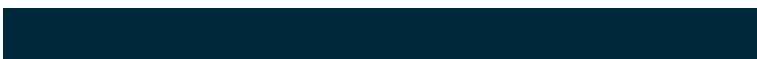
75.8695, 78.7812, 99.2042



16.5259, 17.8160, 21.1104



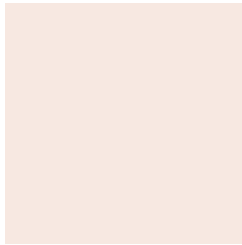
16.4532, 18.7002, 49.2804



1.5384, 1.8282, 4.3620

Previews

White Background



This preview shows how the XYZ color 80.8050, 82.9236, 82.9811 looks on a white background.

Color Contrast Check

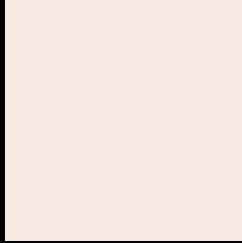
Large Text (above 18pt) WCAG AA × Fail

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 80.8050, 82.9236, 82.9811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

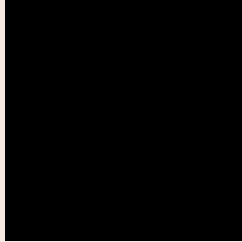
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

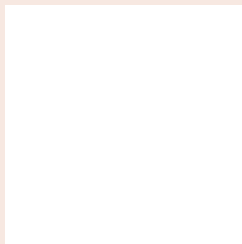
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8050, 82.9236, 82.9811

Background



This preview shows how black text looks on a background with the XYZ color 80.8050, 82.9236, 82.9811.



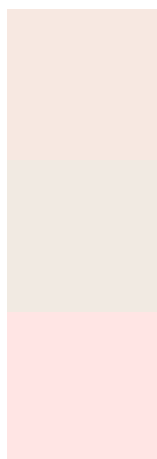
This preview shows how white text looks on a background with the XYZ color 80.8050, 82.9236,

82.9811.

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

80.8050, 82.9236, 82.9811

Protanopia

79.4259, 83.0374, 83.7931

Deuteranopia

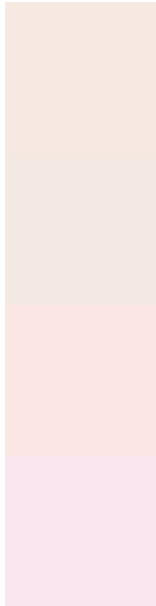
83.2629, 82.9001, 85.0117



Tritanopia

84.2322, 83.0780, 99.5918

Trichromacy



Original Color

80.8050, 82.9236, 82.9811

Protanomaly

79.8285, 82.8235, 83.7306

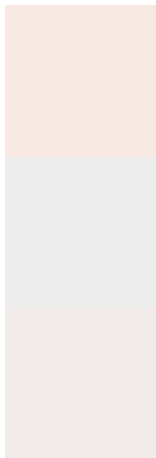
Deuteranomaly

82.3068, 82.8351, 84.3238

Tritanomaly

82.9437, 82.9654, 93.3037

Monochromacy



Original Color

80.8050, 82.9236, 82.9811

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.2090, 83.7681, 88.2853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8050, 82.9236, 82.9811 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(247, 232, 225) looks like.

```
.text, #text, p{  
    color:rgb(247, 232, 225)  
}
```

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(247, 232, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 232, 225) }
```

Border

The CSS property to change the border of an element to XYZ 80.8050, 82.9236, 82.9811 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(247, 232, 225) }
```


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

```
.border{ border-color:rgb(247, 232, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 232, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 232, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 232, 225);  
box-shadow:4px 4px 4px 4px rgb(247, 232,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8050, 82.9236, 82.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 232, 225) }
```

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

```
.background{ background-color: rgb(247,  
232, 225) }
```

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