

# Converting Colors

XYZ(80.4858, 80.2628, 83.9232)

Have a look what the booklet for  
XYZ(80.4858, 80.2628, 83.9232)  
contains.

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# Color

**XYZ(80.4858, 80.2628,  
83.9232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE2E3
RGB	250, 226, 227
RGB Percent	98%, 89%, 89%
CMY	0.0196, 0.1137, 0.1098
CMYK	0.00, 0.10, 0.09, 0.02
HSL	358°, 71%, 93%
HSV	358°, 10%, 98%
XYZ	80.4858, 80.2628, 83.9232
YIQ	233.2900, 13.9830, 5.3990

# Conversions

## Conversions Part 2

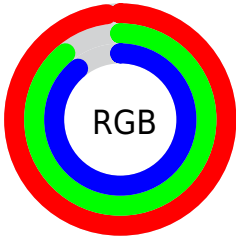
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 226, 227
Decimal	16442083
CIE Lab	91.80, 8.37, 2.49
CIE LCh	92, 8.736, 16.580
Yxy	80.2628, 0.3290, 0.3280
Android (android.graphics.Color)	4294632163 (0xFFFAE2E3)
YUV	233.2900, -3.1010, 14.6547
Hunter-Lab	89.5895, 3.5799, 7.1726

# Details

The XYZ color **80.4858, 80.2628, 83.9232** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.6516, 91.3815, 102.9093**, and the grayscale version is **77.6877, 81.7335, 89.0078**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0016, 43.4418, 45.0957** is the 20% darker color. If you saturate the color by 10%, you get **71.0968, 66.4139, 65.5959**, and if you desaturate by 10%, it is **91.3308, 96.2852, 105.0087**.

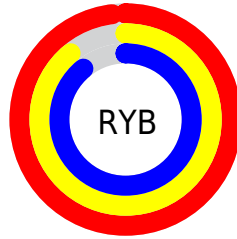
# Distribution



Red (98%)

Green (89%)

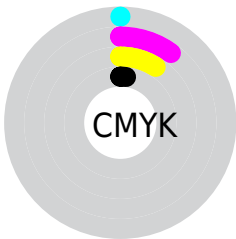
Blue (89%)



Red (98%)

Yellow (89%)

Blue (89%)

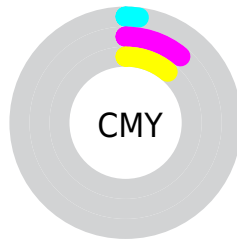


Cyan (0%)

Magenta (10%)

Yellow (9%)

Black (2%)



Cyan (2%)

Magenta (11%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4858, 80.2628, 83.9232 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 80.4858, 80.2628, 83.9232 by changing the saturation by 10% instead.




 80.4858, 80.2628,  
83.9232

 80.4858, 80.2628,  
83.9232


485.2801,  
495.8180, 528.1096

 60.4280, 59.9346,  
62.4070

132.9955,  
133.7352, 140.7285

 44.0145, 43.3659,  
44.9237


166.1781,  
167.6481, 176.8547

 30.8799, 30.1724,  
31.0549


204.4664,  
206.8582, 218.6880

 20.6588, 19.9694,  
20.3818

248.2257,  
251.7497, 266.6469

 12.9858, 12.3728,  
12.4861

297.8213,  
302.7070, 321.1500

 7.4957, 6.9981,  
6.9491

353.6187,

 3.8231, 3.4609,

360.1146, 382.6157

3.3523

415.9832,  
424.3568, 451.4628

■ 1.6025, 1.3768,  
1.2772

■ 0.3941, 0.1996,  
0.0430

■ 80.4858, 80.2628,  
83.9232

■ 80.4858, 80.2628,  
83.9232

■ 71.0968, 66.4139,  
65.5959

■ 91.3308, 96.2852,  
105.0087

■ 63.0955, 54.6349,  
49.9080

■ 93.2347, 99.0642,  
108.8150

■ 56.4181, 44.8296,  
36.7394

■ 50.9932, 36.8901,  
25.9588

■ 46.7426, 30.6981,  
17.4232

■ 43.5795, 26.1218,  
10.9741

■ 41.4050, 23.0108,  
6.4324

■ 40.1020, 21.1863,  
3.5891

■ 39.4980, 20.3709,  
2.1771

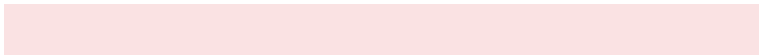
# Harmonies

## Analogous

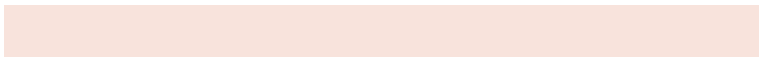
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5495, 80.2628, 90.2836



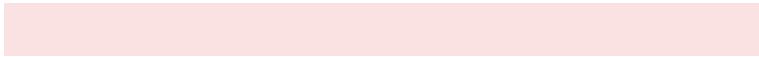
80.4858, 80.2628, 83.9232



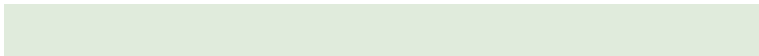
79.2831, 80.2628, 78.7445

# Triad

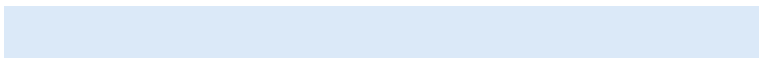
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4858, 80.2628, 83.9232



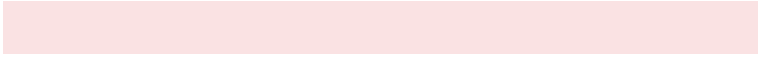
73.2047, 80.2628, 79.1937



75.2932, 80.2628, 99.9346

# Complementary

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



80.4858, 80.2628, 83.9232



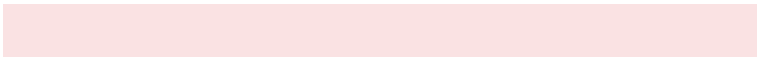
82.6516, 91.3815, 102.9093

# 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.



73.3681, 80.2628, 96.6517



80.4858, 80.2628, 83.9232



72.1784, 80.2628, 84.5639

# Square

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



80.4858, 80.2628, 83.9232



75.0662, 80.2628, 76.1067



72.2376, 80.2628, 90.9562



77.5218, 80.2628, 99.7424

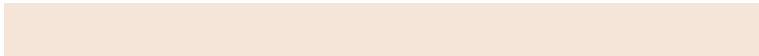


# Rectangle

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



80.4858, 80.2628, 83.9232



78.0103, 80.2628, 76.5661



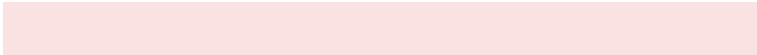
72.2376, 80.2628, 90.9562



74.5900, 80.2628, 99.1943

# Sweetspot

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



80.4880, 80.2663, 83.9249



91.4996, 94.7525, 102.0031



83.4496, 81.4014, 101.7571



19.3867, 19.9884, 21.4480



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

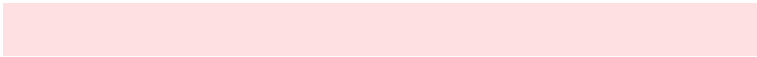


# Same Dimension

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



80.4880, 80.2663, 83.9249



81.6854, 80.2594, 82.9002



83.3804, 86.2703, 84.2131



17.2738, 17.2369, 18.0315



20.9548, 10.7976, 1.2045



1.9507, 1.0040, 0.1639



# Inverse Universe

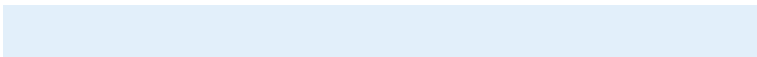
The Inverse Universe completely reimagines the original color for something new.



80.4880, 80.2663, 83.9249



81.6854, 80.2594, 82.9002



79.5475, 84.9240, 102.6427



17.2738, 17.2369, 18.0315



20.9548, 10.7976, 1.2045

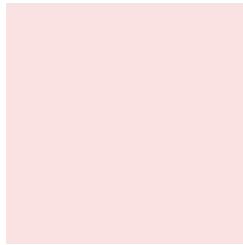


1.9507, 1.0040, 0.1639



# Previews

## White Background



This preview shows how the XYZ color 80.4858, 80.2628, 83.9232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

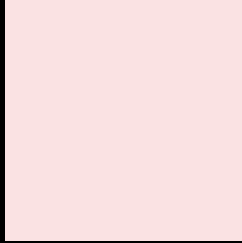
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.4858, 80.2628, 83.9232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

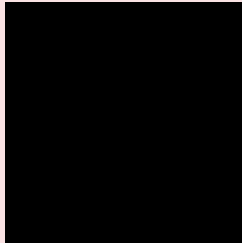
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

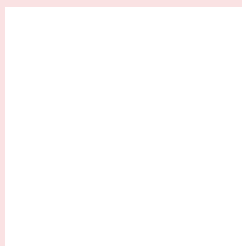
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.4858, 80.2628, 83.9232**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.4858, 80.2628, 83.9232.



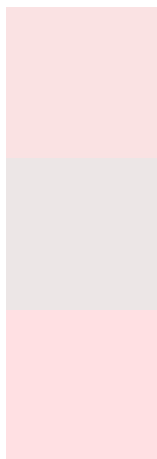
This preview shows how white text looks on a background with the XYZ color 80.4858, 80.2628,



# 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

80.4858, 80.2628, 83.9232

### Protanopia

77.1718, 80.1397, 86.2640

### Deuteranopia

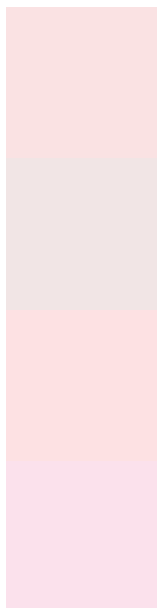
81.7608, 80.1174, 83.8280



## Tritanopia

82.6777, 80.3576, 94.3721

# Trichromacy



## Original Color

80.4858, 80.2628, 83.9232

## Protanomaly

78.4378, 80.3965, 85.5127

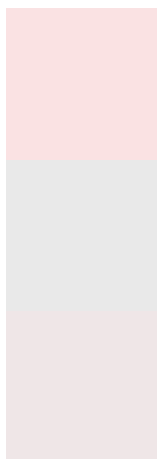
## Deuteranomaly

81.2984, 80.2791, 83.8836

## Tritanomaly

81.8492, 80.4158, 90.5648

# Monochromacy



## Original Color

80.4858, 80.2628, 83.9232

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.3172, 80.7139, 87.0529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.4858, 80.2628, 83.9232 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(250, 226, 227) looks like.

```
.text, #text, p{  
    color:rgb(250, 226, 227)  
}
```

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(250, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 226, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 80.4858, 80.2628, 83.9232 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(250, 226, 227) }
```



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

```
.border{ border-color:rgb(250, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(250, 226,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.4858, 80.2628, 83.9232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 226, 227) }
```

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

```
.background{ background-color: rgb(250,  
226, 227) }
```

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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