

# Converting Colors

XYZ(80.3295, 79.3836, 84.8275)

Have a look what the booklet for  
XYZ(80.3295, 79.3836, 84.8275)  
contains.

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# Color

**XYZ(80.0836, 79.2367,  
84.4721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE0E4
RGB	250, 224, 228
RGB Percent	98%, 88%, 89%
CMY	0.0196, 0.1215, 0.1059
CMYK	0.00, 0.10, 0.09, 0.02
HSL	351°, 72%, 93%
HSV	351°, 10%, 98%
XYZ	80.0836, 79.2367, 84.4721
YIQ	232.2300, 14.2120, 6.7560

# Conversions

## Conversions Part 2

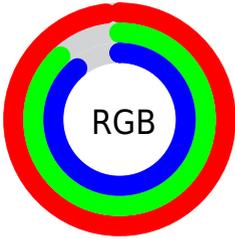
Format	Color
R <sub>Y</sub> B	250, 224, 228
Decimal	16441572
CIE Lab	91.34, 9.57, 1.30
CIE LCh	91, 9.659, 7.725
Yxy	79.2367, 0.3285, 0.3250
Android (android.graphics.Color)	4294631652 (0xFFFAE0E4)
YUV	232.2300, -2.0854, 15.5843
Hunter-Lab	89.0150, 4.8138, 6.0464

# Details

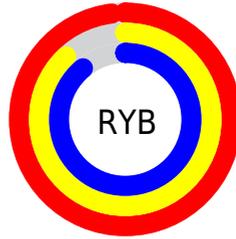
The XYZ color **80.0836, 79.2367, 84.4721** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.5637, 90.8744, 100.4350**, and the grayscale version is **76.8835, 80.8874, 88.0864**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7231, 42.7305, 45.4785** is the 20% darker color. If you saturate the color by 10%, you get **71.0930, 65.6711, 67.8604**, and if you desaturate by 10%, it is **90.4260, 94.9288, 103.3097**.

# Distribution



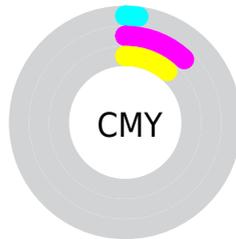
- Red (98%)
- Green (88%)
- Blue (89%)



- Red (98%)
- Yellow (88%)
- Blue (89%)



- Cyan (0%)
- Magenta (10%)
- Yellow (9%)
- Black (2%)



- Cyan (2%)
- Magenta (12%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0836, 79.2367, 84.4721 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 80.0836, 79.2367, 84.4721 by changing the saturation by 10% instead.

 80.0836, 79.2367,  
84.4721

 80.0836, 79.2367,  
84.4721

483.9468,  
492.3567, 529.9786

 60.0959, 59.0904,  
62.8576

132.4332,  
132.2920, 141.5030

 43.7457, 42.6859,  
45.2858

165.5257,  
165.9699, 177.7565

 30.6677, 29.6388,  
31.3380

203.7172,  
204.9271, 219.7268

 20.4965, 19.5646,  
20.5957

247.3730,  
249.5480, 267.8324

 12.8668, 12.0789,  
12.6405

296.8586,  
300.2170, 322.4918

 7.4133, 6.7975,  
7.0536

352.5391,

 3.7705, 3.3358,

357.3186, 384.1236

3.4167

414.7801,  
421.2370, 453.1464

■ 1.5731, 1.3094,  
1.3111

■ 0.3748, 0.1485,  
0.0709

■ 80.0836, 79.2367,  
84.4721

■ 80.0836, 79.2367,  
84.4721

■ 71.0930, 65.6711,  
67.8604

■ 90.4260, 94.9288,  
103.3097

■ 63.3916, 54.1303,  
53.3870

■ 93.2348, 99.0642,  
108.8151

■ 56.9219, 44.5203,  
40.9662

■ 51.6193, 36.7353,  
30.5045

■ 47.4133, 30.6594,  
21.9009

■ 44.2257, 26.1632,  
15.0456

■ 41.9676, 23.0990,  
9.8166

■ 40.5343, 21.2908,  
6.0758

■ 39.7816, 20.4669,  
3.7238

# Harmonies

## Analogous

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



79.7619, 79.2367, 91.4978



80.0836, 79.2367, 84.4721



79.1049, 79.2367, 78.2707

# Triad

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



80.0836, 79.2367, 84.4721



72.4626, 79.2367, 76.0254



73.5383, 79.2367, 99.3897

# Complementary

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



80.0836, 79.2367, 84.4721



81.5637, 90.8744, 100.4350

# Split Complementary

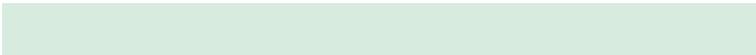
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6425, 79.2367, 94.8079



80.0836, 79.2367, 84.4721



71.0309, 79.2367, 81.2554

# Square

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



80.0836, 79.2367, 84.4721



74.6798, 79.2367, 73.5693



70.7340, 79.2367, 88.1040



75.9479, 79.2367, 100.3659

# Rectangle

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



80.0836, 79.2367, 84.4721



77.8590, 79.2367, 75.3501



70.7340, 79.2367, 88.1040



72.8213, 79.2367, 98.2085

# Sweetspot

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



80.0858, 79.2402, 84.4738



91.6329, 94.8058, 102.7051



81.8027, 79.7496, 101.5253



19.4225, 20.0027, 21.6365



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.



80.0858, 79.2402, 84.4738



82.1606, 80.4495, 85.4025



81.9260, 83.7981, 82.3818



17.3533, 17.2687, 18.4505



21.1337, 10.8692, 2.1468



1.9883, 1.0191, 0.3620



# Inverse Universe

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



80.0858, 79.2402, 84.4738



82.1606, 80.4495, 85.4025



79.5527, 85.8602, 102.8234



17.3533, 17.2687, 18.4505



21.1337, 10.8692, 2.1468



1.9883, 1.0191, 0.3620



# Previews

## White Background



This preview shows how the XYZ color 80.0836, 79.2367, 84.4721 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 80.0836, 79.2367, 84.4721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

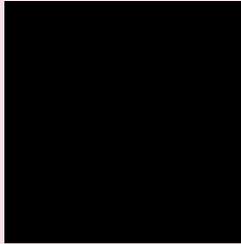
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.0836, 79.2367, 84.4721**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0836, 79.2367, 84.4721.



This preview shows how white text looks on a background with the XYZ color 80.0836, 79.2367,

84.4721.

# 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

80.0836, 79.2367, 84.4721

### Protanopia

76.3748, 79.3006, 86.8825

### Deuteranopia

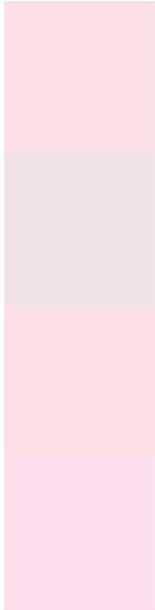
80.8993, 79.2594, 84.4335



## Tritanopia

81.9943, 79.2293, 93.4093

# Trichromacy



## Original Color

80.0836, 79.2367, 84.4721

## Protanomaly

77.6872, 79.1766, 86.0510

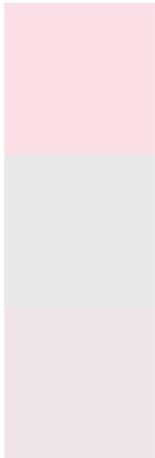
## Deuteranomaly

80.5362, 79.0722, 84.4165

## Tritanomaly

81.3117, 79.3407, 90.3856

# Monochromacy



## Original Color

80.0836, 79.2367, 84.4721

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

78.0397, 80.1589, 86.9604

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0836, 79.2367, 84.4721 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, 224, 228) looks like.

```
.text, #text, p{  
    color:rgb(250, 224, 228)  
}
```

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, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 224, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0836, 79.2367, 84.4721 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, 224, 228) }
```

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

```
.border{ border-color:rgb(250, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(250, 224,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0836, 79.2367, 84.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 224, 228) }
```

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

```
.background{ background-color: rgb(250,  
224, 228) }
```

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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