

# Converting Colors

XYZ(80.2570, 79.5186, 83.1162)

Have a look what the booklet for  
XYZ(80.2570, 79.5186, 83.1162)  
contains.

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# Color

**XYZ(80.1668, 79.3115,  
83.0349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBE0E2
RGB	251, 224, 226
RGB Percent	98%, 88%, 89%
CMY	0.0157, 0.1215, 0.1137
CMYK	0.00, 0.11, 0.10, 0.02
HSL	356°, 77%, 93%
HSV	356°, 11%, 98%
XYZ	80.1668, 79.3115, 83.0349
YIQ	232.3010, 15.4500, 6.3460

# Conversions

## Conversions Part 2

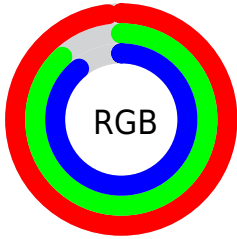
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 224, 226
Decimal	16507106
CIE <sub>Lab</sub>	91.38, 9.59, 2.40
CIE <sub>LCh</sub>	91, 9.887, 14.078
Yxy	79.3115, 0.3306, 0.3270
Android (android.graphics.Color)	4294697186 (0xFFFB <sub>E0E2</sub> )
YUV	232.3010, -3.1064, 16.3990
Hunter-Lab	89.0570, 4.8313, 7.0591

# Details

The XYZ color **80.1668, 79.3115, 83.0349** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.3396, 91.6833, 102.9840**, and the grayscale version is **76.9435, 80.9505, 88.1551**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7868, 42.7855, 44.4787** is the 20% darker color. If you saturate the color by 10%, you get **70.9364, 65.6132, 65.2741**, and if you desaturate by 10%, it is **90.8299, 95.1813, 103.4085**.

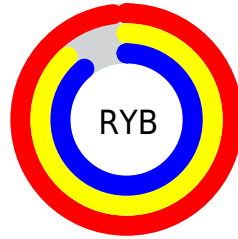
# Distribution



Red (98%)

Green (88%)

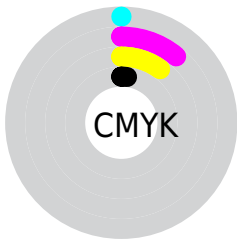
Blue (89%)



Red (98%)

Yellow (88%)

Blue (89%)

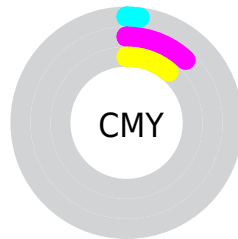


Cyan (0%)

Magenta (11%)

Yellow (10%)

Black (2%)



Cyan (2%)

Magenta (12%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1668, 79.3115, 83.0349 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 80.1668, 79.3115, 83.0349 by changing the saturation by 10% instead.




 80.1668, 79.3115,  
83.0349

 80.1668, 79.3115,  
83.0349


484.2228,  
492.6095, 525.0769

 60.1646, 59.1520,  
61.6782


132.5495,  
132.3973, 139.4740

 43.8013, 42.7355,  
44.3386


165.6607,  
166.0923, 175.3935

 30.7115, 29.6776,  
30.5976


203.8722,  
205.0680, 217.0042

 20.5300, 19.5940,  
20.0368

247.5495,  
249.7087, 264.7249

 12.8914, 12.1003,  
12.2374

297.0578,  
300.3988, 318.9739

 7.4303, 6.8120,  
6.7811

352.7626,

 3.7813, 3.3448,

357.5227, 380.1699

3.2492

415.0291,  
421.4648, 448.7314

■ 1.5792, 1.3143,  
1.2232

■ 0.3788, 0.1522,  
0.0000

■ 80.1668, 79.3115,  
83.0349

■ 80.1668, 79.3115,  
83.0349

■ 70.9364, 65.6132,  
65.2741

■ 90.8299, 95.1813,  
103.4085

■ 63.0713, 53.9820,  
50.0154

■ 93.5941, 99.2495,  
108.8319

■ 56.5085, 44.3207,  
37.1480

■ 51.1776, 36.5201,  
26.5505

■ 47.0017, 30.4607,  
18.0910

■ 43.8947, 26.0085,  
11.6240

■ 41.7589, 23.0105,  
6.9857

■ 40.4784, 21.2839,  
3.9863

■ 39.8979, 20.5550,  
2.4610

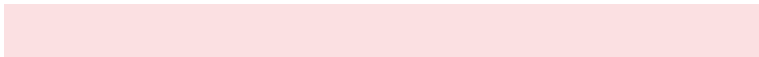
# Harmonies

## Analogous

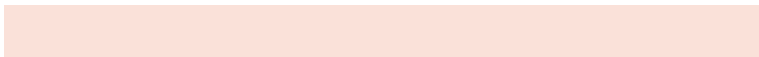
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1249, 79.3115, 90.2081



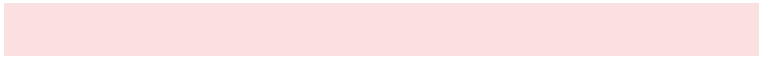
80.1668, 79.3115, 83.0349



78.9072, 79.3115, 77.0854

# Triad

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



80.1668, 79.3115, 83.0349



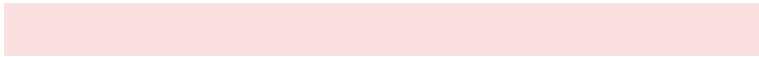
72.0723, 79.3115, 76.7939



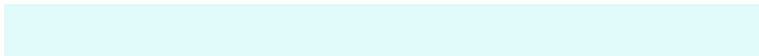
74.0657, 79.3115, 100.3563

# Complementary

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



80.1668, 79.3115, 83.0349



82.3396, 91.6833, 102.9840

# 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.



71.9657, 79.3115, 96.3432



80.1668, 79.3115, 83.0349



70.8324, 79.3115, 82.6166

# Square

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



80.1668, 79.3115, 83.0349



74.2142, 79.3115, 73.6200



70.7938, 79.3115, 89.7660



76.5644, 79.3115, 100.4838



# Rectangle

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



80.1668, 79.3115, 83.0349



77.5148, 79.3115, 74.5014



70.7938, 79.3115, 89.7660



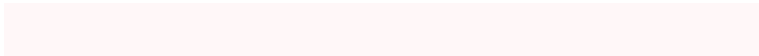
73.2910, 79.3115, 99.4074

# Sweetspot

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



80.1690, 79.3150, 83.0366



91.5381, 94.7679, 102.2057



83.0485, 80.3737, 102.4043



19.3970, 19.9925, 21.5024



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

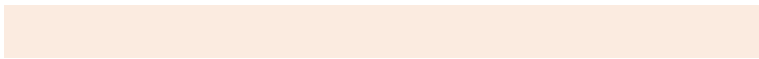
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1690, 79.3150, 83.0366



80.8168, 78.8211, 81.6895



83.0205, 85.4538, 82.6438



17.2967, 17.2460, 18.1520



20.9908, 10.8121, 1.3943



1.9616, 1.0084, 0.2212



# Inverse Universe

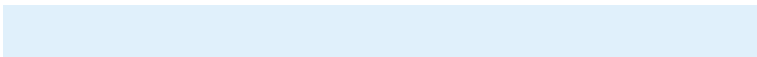
The Inverse Universe completely reimagines the original color for something new.



80.1690, 79.3150, 83.0366



80.8168, 78.8211, 81.6895



79.2425, 84.9883, 103.4956



17.2967, 17.2460, 18.1520



20.9908, 10.8121, 1.3943

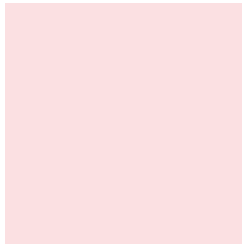


1.9616, 1.0084, 0.2212



# Previews

## White Background



This preview shows how the XYZ color 80.1668, 79.3115, 83.0349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

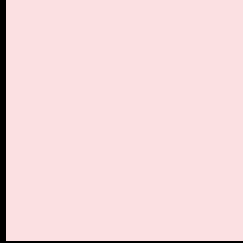
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.1668, 79.3115, 83.0349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

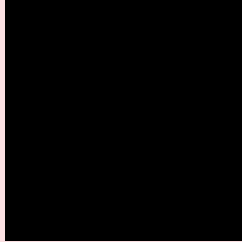
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

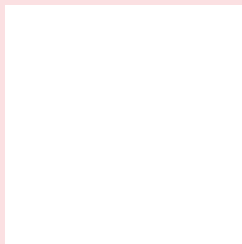
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.1668, 79.3115, 83.0349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.1668, 79.3115, 83.0349.



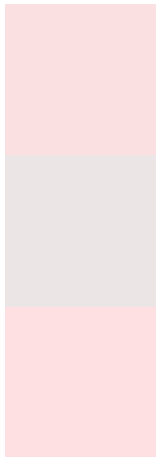
This preview shows how white text looks on a background with the XYZ color 80.1668, 79.3115,



# 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

80.1668, 79.3115, 83.0349

### Protanopia

76.4231, 79.3579, 85.4184

### Deuteranopia

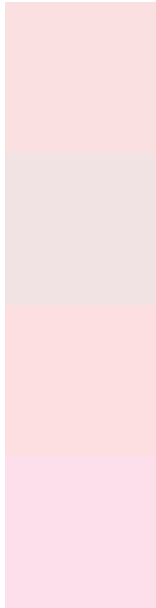
80.9882, 79.3372, 82.9966



## Tritanopia

82.2093, 79.3572, 92.6459

# Trichromacy



## Original Color

80.1668, 79.3115, 83.0349

## Protanomaly

77.7483, 79.2404, 84.5959

## Deuteranomaly

80.6232, 79.1490, 82.9795

## Tritanomaly

81.3838, 79.4113, 88.8804

# Monochromacy



## Original Color

80.1668, 79.3115, 83.0349

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.8988, 80.1025, 86.2185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.1668, 79.3115, 83.0349 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(251, 224, 226) looks like.

```
.text, #text, p{  
    color:rgb(251, 224, 226)  
}
```

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(251, 224, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 224, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 80.1668, 79.3115, 83.0349 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(251, 224, 226) }
```



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

```
.border{ border-color:rgb(251, 224, 226) }
```

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

Here you see how a box with a 4 pixel rgb(251, 224, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 224, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 224, 226);  
box-shadow:4px 4px 4px 4px rgb(251, 224,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.1668, 79.3115, 83.0349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 224, 226) }
```

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

```
.background{ background-color: rgb(251,  
224, 226) }
```

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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