

# Converting Colors

XYZ(79.9292, 83.1486, 97.2394)

Have a look what the booklet for  
XYZ(79.9292, 83.1486, 97.2394)  
contains.

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# Color

**XYZ(80.0129, 83.0395,  
97.3990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBEAF4
RGB	235, 234, 244
RGB Percent	92%, 92%, 96%
CMY	0.0784, 0.0823, 0.0431
CMYK	0.04, 0.04, 0.00, 0.04
HSL	246°, 31%, 94%
HSV	246°, 4%, 96%
XYZ	80.0129, 83.0395, 97.3990
YIQ	235.4390, -2.6140, 3.3220

# Conversions

## Conversions Part 2

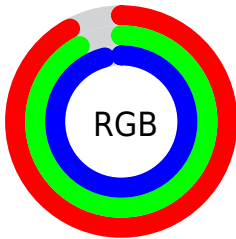
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 234, 244
Decimal	15461108
CIE Lab	93.03, 2.15, -4.72
CIE LCh	93, 5.185, 294.453
Yxy	83.0395, 0.3072, 0.3188
Android (android.graphics.Color)	4293651188 (0xFFEBEAF4)
YUV	235.4390, 4.2206, -0.3850
Hunter-Lab	91.1260, -2.7392, 0.4168

# Details

The XYZ color **80.0129, 83.0395, 97.3990** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.1673, 89.6988, 90.7236**, and the grayscale version is **79.2725, 83.4008, 90.8235**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5879, 45.0553, 53.9762** is the 20% darker color. If you saturate the color by 10%, you get **66.7288, 66.5814, 94.9237**, and if you desaturate by 10%, it is **93.3294, 99.3117, 99.8393**.

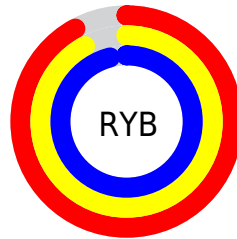
# Distribution



Red (92%)

Green (92%)

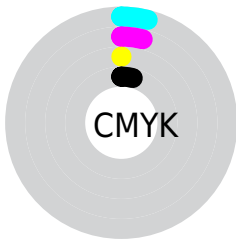
Blue (96%)



Red (92%)

Yellow (92%)

Blue (96%)

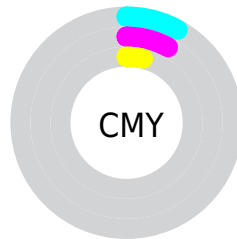


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (8%)

Magenta (8%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0129, 83.0395, 97.3990 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 80.0129, 83.0395, 97.3990 by changing the saturation by 10% instead.



80.0129, 83.0395,  
97.3990

80.0129, 83.0395,  
97.3990

483.7122,  
505.1182, 572.9963

60.0375, 62.2227,  
73.5254

132.3343,  
137.6308, 159.5988

43.6984, 45.2127,  
53.9112

165.4110,  
172.1741, 198.7620

30.6304, 31.6250,  
38.1380

203.5855,  
212.0617, 243.8588

20.4680, 21.0752,  
25.7872

247.2231,  
257.6780, 295.3078

12.8459, 13.1790,  
16.4401

296.6892,  
309.4074, 353.5276

7.3988, 7.5519,  
9.6784

352.3492,

3.7613, 3.8096,

367.6343, 418.9365

5.0835

414.5684,  
432.7431, 491.9532

■ 1.5680, 1.5676,  
2.2367

■ 0.3714, 0.3356,  
0.6954

■ 80.0129, 83.0395,  
97.3990

■ 80.0129, 83.0395,  
97.3990

■ 66.7288, 66.5814,  
94.9237

■ 93.3294, 99.3117,  
99.8393

■ 55.2233, 52.4003,  
92.7929

■ 45.4229, 40.3990,  
90.9929

■ 37.2460, 30.4691,  
89.5072

■ 30.6046, 22.4930,  
88.3177

■ 25.4020, 16.3412,  
87.4045

■ 21.5305, 11.8686,  
86.7452

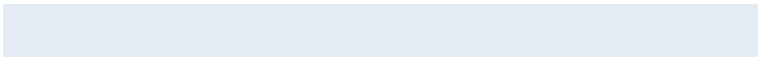
■ 18.8671, 8.9075,  
86.3141

■ 17.2650, 7.2554,  
86.0796

# Harmonies

## Analogous

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



78.6743, 83.0395, 98.0689



80.0129, 83.0395, 97.3990



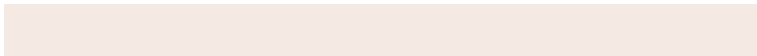
81.0713, 83.0395, 94.8357

# Triad

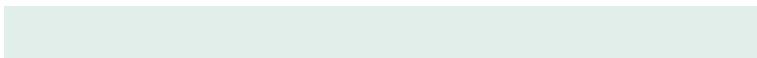
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0129, 83.0395, 97.3990



80.4551, 83.0395, 84.4640



76.3548, 83.0395, 89.6946

# Complementary

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



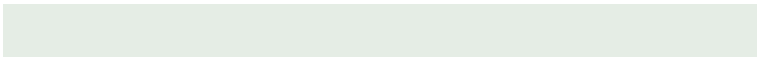
80.0129, 83.0395, 97.3990



84.1673, 89.6988, 90.7236

# Split Complementary

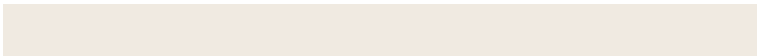
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8200, 83.0395, 86.1356



80.0129, 83.0395, 97.3990



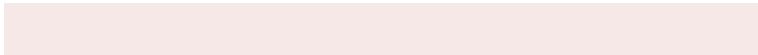
79.1793, 83.0395, 83.1717

# Square

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



80.0129, 83.0395, 97.3990



81.3286, 83.0395, 87.3541



77.8501, 83.0395, 83.7748



76.5723, 83.0395, 93.5484

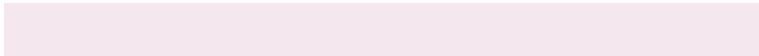


# Rectangle

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



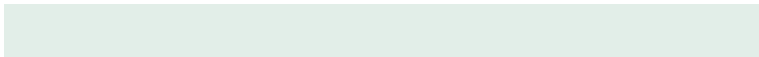
80.0129, 83.0395, 97.3990



81.4702, 83.0395, 92.4361



77.8501, 83.0395, 83.7748



76.4364, 83.0395, 88.4254

# Sweetspot

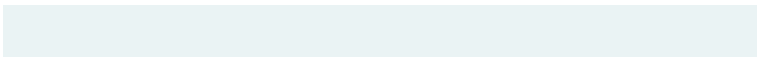
The Sweet Spot groups the original color and five complimentary colors.



80.0153, 83.0430, 97.4008



93.4023, 97.9509, 108.5913



82.3640, 88.2272, 98.2777



20.0093, 20.9871, 23.2463



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.



80.0153, 83.0430, 97.4008



87.0186, 90.0206, 107.3971



81.6335, 83.8773, 97.4766



16.8491, 17.3878, 21.0107



9.1387, 3.6855, 46.7677



0.8535, 0.3499, 4.1128



# Inverse Universe

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



82.9117, 84.5536, 96.7489



90.9127, 92.0516, 106.5151



82.5204, 88.8498, 90.6466



17.7122, 17.8380, 20.8143



27.3169, 13.2702, 37.9726

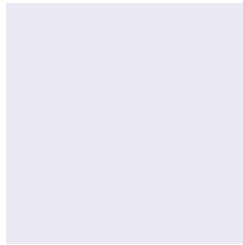


2.4211, 1.1744, 3.4438



# Previews

## White Background



This preview shows how the XYZ color 80.0129, 83.0395, 97.3990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

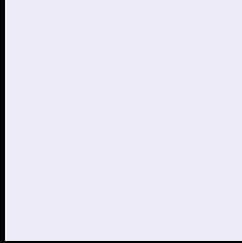
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0129, 83.0395, 97.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

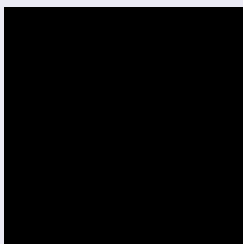
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

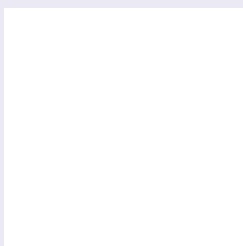
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.0129, 83.0395, 97.3990**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0129, 83.0395, 97.3990.



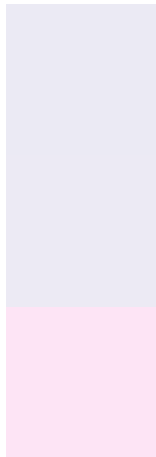
This preview shows how white text looks on a background with the XYZ color 80.0129, 83.0395,

97.3990.

# 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

80.0129, 83.0395, 97.3990

### Protanopia

80.3440, 83.2102, 97.4145

### Deuteranopia

84.7328, 82.9620, 97.9336



## Tritanopia

81.1436, 83.0757, 103.0253

# Trichromacy



## Original Color

80.0129, 83.0395, 97.3990

## Protanomaly

80.3440, 83.2102, 97.4145

## Deuteranomaly

82.7843, 82.7790, 98.0010

## Tritanomaly

80.6743, 82.8880, 100.5539

# Monochromacy



## Original Color

80.0129, 83.0395, 97.3990

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.4019, 83.2519, 92.7732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0129, 83.0395, 97.3990 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(235, 234, 244) looks like.

```
.text, #text, p{  
    color:rgb(235, 234, 244)  
}
```

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(235, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 234, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0129, 83.0395, 97.3990 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(235, 234, 244) }
```



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

```
.border{ border-color:rgb(235, 234, 244) }
```

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

Here you see how a box with a 4 pixel rgb(235, 234, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(235, 234,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0129, 83.0395, 97.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 234, 244) }
```

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

```
.background{ background-color: rgb(235,  
234, 244) }
```

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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