

# Converting Colors

XYZ(80.5919, 82.4519,  
104.1370)

Have a look what the booklet for  
XYZ(80.5919, 82.4519, 104.1370)  
contains.

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# Color

**XYZ(80.3590, 82.2339,  
103.7328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE8FC
RGB	234, 232, 252
RGB Percent	92%, 91%, 99%
CMY	0.0823, 0.0902, 0.0118
CMYK	0.07, 0.08, 0.00, 0.01
HSL	246°, 77%, 95%
HSV	246°, 8%, 99%
XYZ	80.3590, 82.2339, 103.7328
YIQ	234.8780, -5.2280, 6.6440

# Conversions

## Conversions Part 2

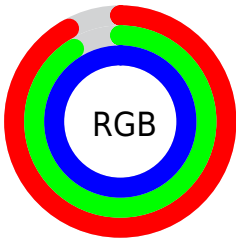
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 232, 252
Decimal	15395068
CIE <sub>Lab</sub>	92.68, 4.35, -9.42
CIE <sub>LCh</sub>	93, 10.376, 294.792
Yxy	82.2339, 0.3017, 0.3088
Android (android.graphics.Color)	4293585148 (0xFFEAE8FC)
YUV	234.8780, 8.4411, -0.7700
Hunter-Lab	90.6829, -0.5166, -4.3442

# Details

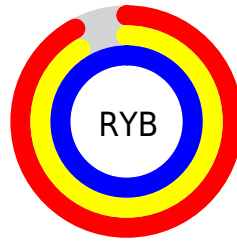
The XYZ color **80.3590, 82.2339, 103.7328** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.8032, 95.7731, 90.1535**, and the grayscale version is **78.8156, 82.9201, 90.3000**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7358, 44.4558, 57.9055** is the 20% darker color. If you saturate the color by 10%, you get **66.7919, 65.4556, 101.2106**, and if you desaturate by 10%, it is **94.5709, 99.8084, 106.3772**.

# Distribution



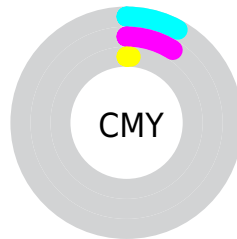
- Red (92%)
- Green (91%)
- Blue (99%)



- Red (92%)
- Yellow (91%)
- Blue (99%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (9%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3590, 82.2339, 103.7328 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 80.3590, 82.2339, 103.7328 by changing the saturation by 10% instead.



80.3590, 82.2339,  
103.7328

80.3590, 82.2339,  
103.7328

484.8600,  
502.4297, 593.4438

60.3233, 61.5584,  
78.7874

132.8182,  
136.5020, 168.3740

43.9297, 44.6759,  
58.2007

165.9725,  
170.8633, 208.9068

30.8129, 31.2022,  
41.5543

204.2303,  
210.5553, 255.4726

20.6076, 20.7529,  
28.4295

247.9570,  
255.9624, 308.4898

12.9483, 12.9435,  
18.4078

297.5179,  
307.4690, 368.3770

7.4697, 7.3897,  
11.0707

353.2785,

3.8065, 3.7070,

365.4595, 435.5527

5.9996

415.6041,  
430.3183, 510.4354

■ 1.5932, 1.5110,  
2.7761

■ 0.3880, 0.2965,  
0.9815

■ 80.3590, 82.2339,  
103.7328

■ 80.3590, 82.2339,  
103.7328

■ 66.7919, 65.4556,  
101.2106

94.5709, 99.8084,  
106.3772

■ 55.1138, 51.0949,  
99.0542

■ 45.2430, 39.0431,  
97.2482

■ 37.0888, 29.1795,  
95.7741

■ 30.5523, 21.3723,  
94.6117

■ 25.5250, 15.4753,  
93.7384

■ 21.8846, 11.3231,  
93.1288

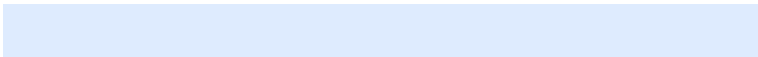
■ 19.4892, 8.7218,  
92.7530

■ 18.1584, 7.4151,  
92.5709

# Harmonies

## Analogous

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



77.6903, 82.2339, 105.1839



80.3590, 82.2339, 103.7328



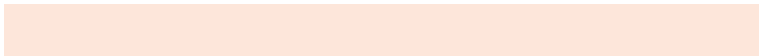
82.4818, 82.2339, 98.3915

# Triad

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



80.3590, 82.2339, 103.7328



81.1938, 82.2339, 77.9268



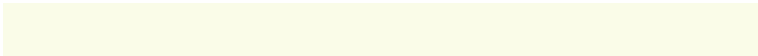
73.1017, 82.2339, 88.1952

# Complementary

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



80.3590, 82.2339, 103.7328



88.8032, 95.7731, 90.1535

# 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.



73.9935, 82.2339, 81.2336



80.3590, 82.2339, 103.7328



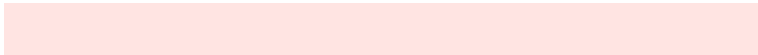
78.6333, 82.2339, 75.5274

# Square

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



80.3590, 82.2339, 103.7328



82.9715, 82.2339, 83.4452



76.0032, 82.2339, 76.7024



73.5399, 82.2339, 95.9219



# Rectangle

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



80.3590, 82.2339, 103.7328



83.2807, 82.2339, 93.4978



76.0032, 82.2339, 76.7024



73.2553, 82.2339, 85.6930

# Sweetspot

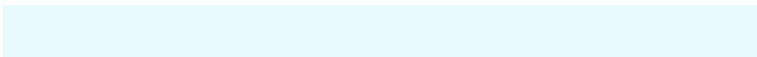
The Sweet Spot groups the original color and five complimentary colors.



80.3614, 82.2374, 103.7346



91.7757, 95.9288, 108.2867



85.1412, 92.7648, 105.5147



19.6781, 20.5753, 23.1842



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.



80.3614, 82.2374, 103.7346



79.5016, 80.6993, 105.9941



83.6228, 83.9187, 103.8872



16.4438, 16.7259, 21.7470



9.4183, 3.7980, 48.2102



0.9242, 0.3785, 4.4675



# Inverse Universe

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



86.2596, 85.3144, 102.3673



87.0405, 84.6328, 104.2210



85.4268, 94.0326, 89.9955



17.9139, 17.4929, 21.4025



28.1541, 13.6774, 39.1154

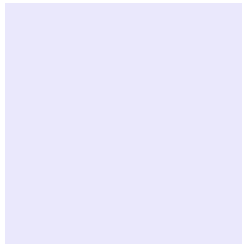


2.6285, 1.2751, 3.7332



# Previews

## White Background



This preview shows how the XYZ color 80.3590, 82.2339, 103.7328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

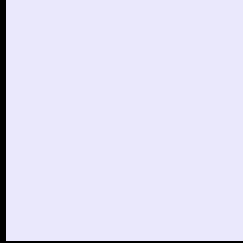
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3590, 82.2339, 103.7328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

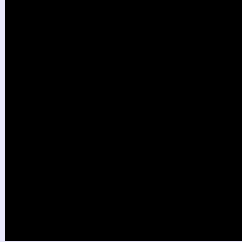
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.3590, 82.2339, 103.7328

## Background



This preview shows how black text looks on a background with the XYZ color 80.3590, 82.2339, 103.7328.



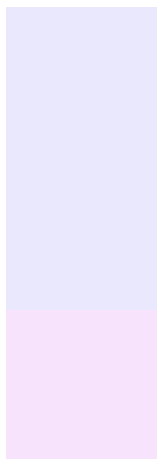
This preview shows how white text looks on a background with the XYZ color 80.3590, 82.2339,

103.7328.

# 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

80.3590, 82.2339, 103.7328

### Protanopia

80.0316, 82.0651, 103.7175

### Deuteranopia

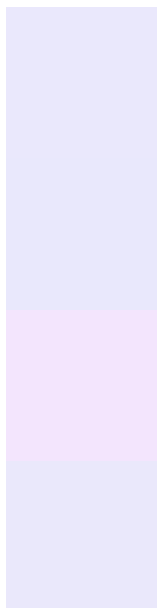
83.9101, 81.9865, 104.3309



## **Tritanopia**

80.2009, 82.1707, 102.9003

# Trichromacy



## Original Color

80.3590, 82.2339, 103.7328

## Protanomaly

80.0316, 82.0651, 103.7175

## Deuteranomaly

82.7111, 82.1852, 104.4325

## Tritanomaly

80.2009, 82.1707, 102.9003

# Monochromacy



## Original Color

80.3590, 82.2339, 103.7328

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.5610, 82.8587, 95.0191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3590, 82.2339, 103.7328 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(234, 232, 252) looks like.

```
.text, #text, p{  
    color:rgb(234, 232, 252)  
}
```

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(234, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 232, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3590, 82.2339, 103.7328 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(234, 232, 252) }
```



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

```
.border{ border-color:rgb(234, 232, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 232, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(234, 232,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3590, 82.2339, 103.7328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 232, 252) }
```

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

```
.background{ background-color: rgb(234,  
232, 252) }
```

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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