

# Converting Colors

XYZ(82.1423, 84.4555,  
102.4171)

Have a look what the booklet for  
XYZ(82.1423, 84.4555, 102.4171)  
contains.

<b>XYZ(82.2235, 84.4959, 102.4182)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(82.2235, 84.4959,  
102.4182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEBFA
RGB	238, 235, 250
RGB Percent	93%, 92%, 98%
CMY	0.0667, 0.0784, 0.0196
CMYK	0.05, 0.06, 0.00, 0.02
HSL	252°, 60%, 95%
HSV	252°, 6%, 98%
XYZ	82.2235, 84.4959, 102.4182
YIQ	237.6070, -3.0270, 5.3010

# Conversions

## Conversions Part 2

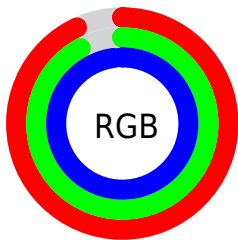
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 235, 250
Decimal	15657978
CIE <sub>Lab</sub>	93.67, 3.72, -6.88
CIE <sub>LCh</sub>	94, 7.825, 298.412
Yxy	84.4959, 0.3055, 0.3140
Android (android.graphics.Color)	4293848058 (0xFFEEEBFA)
YUV	237.6070, 6.1097, 0.3447
Hunter-Lab	91.9217, -1.1955, -1.7152

# Details

The XYZ color **82.2235, 84.4959, 102.4182** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5420, 94.1458, 92.1595**, and the grayscale version is **80.9223, 85.1365, 92.7137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1491, 46.0803, 57.5537** is the 20% darker color. If you saturate the color by 10%, you get **69.2159, 67.9030, 99.9023**, and if you desaturate by 10%, it is **94.2556, 99.6822, 104.7166**.

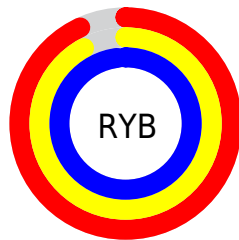
# Distribution



Red (93%)

Green (92%)

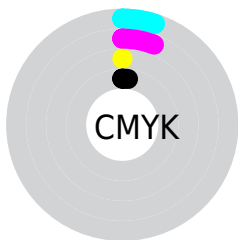
Blue (98%)



Red (93%)

Yellow (92%)

Blue (98%)

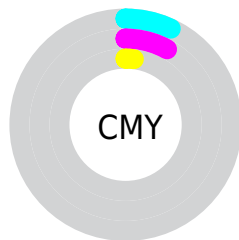


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (2%)



Cyan (7%)

Magenta (8%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2235, 84.4959, 102.4182 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 82.2235, 84.4959, 102.4182 by changing the saturation by 10% instead.



82.2235, 84.4959,  
102.4182

82.2235, 84.4959,  
102.4182

491.0182,  
509.9585, 589.2309

61.8645, 63.4249,  
77.6935

135.4216,  
139.6687, 166.5572

45.1784, 46.1851,  
57.3073

168.9914,  
174.5392, 206.8085

31.7999, 32.3919,  
40.8410

207.6955,  
214.7785, 253.0725

21.3635, 21.6610,  
27.8761

251.8992,  
260.7708, 305.7677

13.5039, 13.6080,  
17.9941

301.9680,  
312.9006, 365.3126

7.8558, 7.8486,  
10.7763

358.2672,

4.0539, 3.9982,

371.5522, 432.1257

5.8044

421.1621,  
437.1100, 506.6256

■ 1.7327, 1.6726,  
2.6596

■ 0.4766, 0.4058,  
0.9230

■ 82.2235, 84.4959,  
102.4182

■ 82.2235, 84.4959,  
102.4182

■ 69.2159, 67.9030,  
99.9023

■ 94.2556, 99.6822,  
104.7166

■ 57.8921, 53.6069,  
97.7397

■ 48.1842, 41.5089,  
95.9162

■ 40.0170, 31.4987,  
94.4145

■ 33.3093, 23.4563,  
93.2157

■ 27.9717, 17.2494,  
92.2990

■ 23.9049, 12.7292,  
91.6408

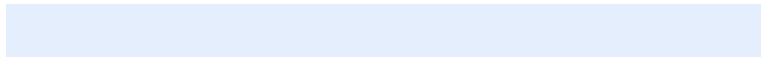
■ 20.9954, 9.7226,  
91.2139

■ 19.1065, 8.0176,  
90.9843

# Harmonies

## Analogous

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



80.2004, 84.4959, 103.8984



82.2235, 84.4959, 102.4182



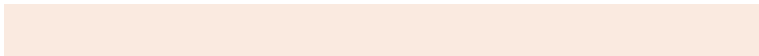
83.7564, 84.4959, 98.1153

# Triad

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



82.2235, 84.4959, 102.4182



82.4181, 84.4959, 82.6107



76.3896, 84.4959, 91.6856

# Complementary

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



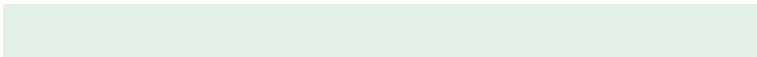
82.2235, 84.4959, 102.4182



87.5420, 94.1458, 92.1595

# Split Complementary

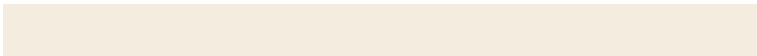
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9611, 84.4959, 86.1474



82.2235, 84.4959, 102.4182



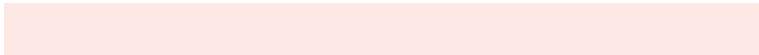
80.4214, 84.4959, 81.0496

# Square

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



82.2235, 84.4959, 102.4182



83.8701, 84.4959, 86.6731



78.4280, 84.4959, 82.3165



76.8537, 84.4959, 97.5443



# Rectangle

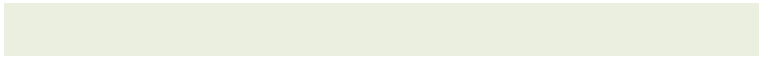
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2235, 84.4959, 102.4182



84.2816, 84.4959, 94.3152



78.4280, 84.4959, 82.3165



76.4668, 84.4959, 89.7263

# Sweetspot

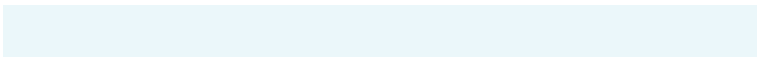
The Sweet Spot groups the original color and five complimentary colors.



82.2260, 84.4995, 102.4201



91.9590, 96.0233, 108.2953



84.8563, 91.2413, 103.5827



19.7154, 20.5946, 23.1860



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.



82.2260, 84.4995, 102.4201



84.5565, 86.5262, 106.8524



84.7099, 85.7800, 102.5363



17.1535, 17.5089, 21.8608



9.9412, 4.0675, 48.2347



1.0025, 0.4189, 4.4712



# Inverse Universe

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



85.9242, 86.4599, 100.1598



89.0487, 88.9077, 104.0931



85.0341, 92.8530, 92.0421



18.1478, 18.0361, 21.2482



26.4977, 13.0148, 30.3928

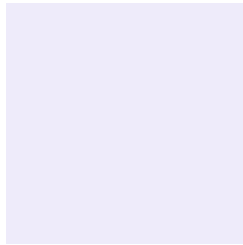


2.4906, 1.2200, 3.0069



# Previews

## White Background



This preview shows how the XYZ color 82.2235, 84.4959, 102.4182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

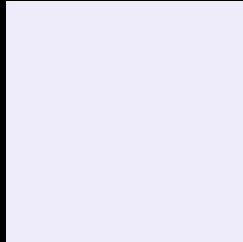
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2235, 84.4959, 102.4182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

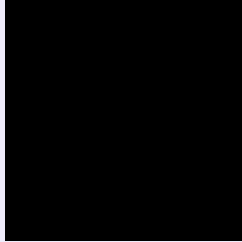
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

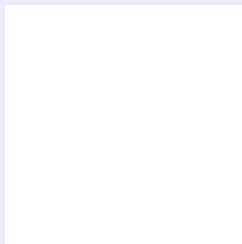
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.2235, 84.4959, 102.4182

## Background



This preview shows how black text looks on a background with the XYZ color 82.2235, 84.4959, 102.4182.



This preview shows how white text looks on a background with the XYZ color 82.2235, 84.4959,

102.4182.

# 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

82.2235, 84.4959, 102.4182

### Protanopia

81.8887, 84.3233, 102.4025

### Deuteranopia

86.2174, 84.4413, 103.0214



## Tritanopia

82.6978, 84.6857, 104.9158

# Trichromacy



## Original Color

82.2235, 84.4959, 102.4182

## Protanomaly

81.8887, 84.3233, 102.4025

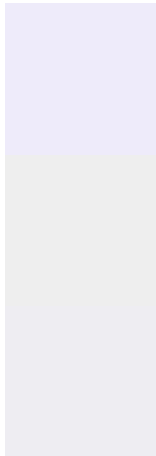
## Deuteranomaly

84.9806, 84.6347, 103.1240

## Tritanomaly

82.5389, 84.6221, 104.0789

# Monochromacy



## Original Color

82.2235, 84.4959, 102.4182

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.5711, 85.1563, 96.1420

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2235, 84.4959, 102.4182 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(238, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 250)  
}
```

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(238, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2235, 84.4959, 102.4182 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(238, 235, 250) }
```



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

```
.border{ border-color:rgb(238, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2235, 84.4959, 102.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 250) }
```

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

```
.background{ background-color: rgb(238,  
235, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor