

Converting Colors

XYZ(84.1436, 85.0438,
103.2470)

Have a look what the booklet for
XYZ(84.1436, 85.0438, 103.2470)
contains.

XYZ(84.1436, 85.0438, 103.2470)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.1436, 85.0438,
103.2470)**

Conversions

Conversions Part 1

Format	Color
Hex	F4EAFB
RGB	244, 234, 251
RGB Percent	96%, 92%, 98%
CMY	0.0431, 0.0823, 0.0157
CMYK	0.03, 0.07, 0.00, 0.02
HSL	275°, 68%, 95%
HSV	275°, 7%, 98%
XYZ	84.1436, 85.0438, 103.2470
YIQ	238.9280, 0.5030, 7.4070

Conversions

Conversions Part 2

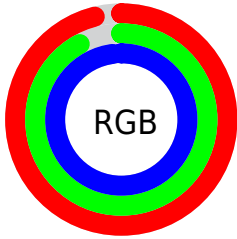
Format	Color
RYB	244, 234, 251
Decimal	16050939
CIELab	93.90, 6.38, -7.00
CIELCh	94, 9.475, 312.356
Yxy	85.0438, 0.3089, 0.3122
Android (android.graphics.Color)	4294241019 (0xFF4EAFB)
YUV	238.9280, 5.9515, 4.4481
Hunter-Lab	92.2192, 1.4852, -1.8266

Details

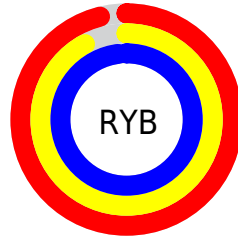
The XYZ color **84.1436, 85.0438, 103.2470** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6273, 93.6379, 91.4071**, and the grayscale version is **81.9451, 86.2126, 93.8856**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5098, 46.4723, 58.1485** is the 20% darker color. If you saturate the color by 10%, you get **74.0115, 69.9553, 100.8699**, and if you desaturate by 10%, it is **94.1702, 99.6201, 105.5333**.

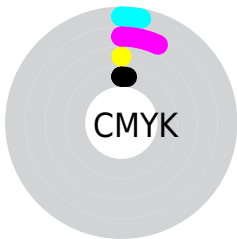
Distribution



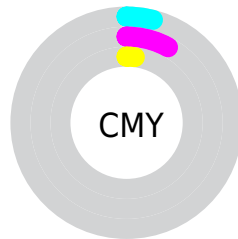
- Red (96%)
- Green (92%)
- Blue (98%)



- Red (96%)
- Yellow (92%)
- Blue (98%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (4%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1436, 85.0438, 103.2470 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 84.1436, 85.0438, 103.2470 by changing the saturation by 10% instead.

84.1436, 85.0438,
103.2470

84.1436, 85.0438,
103.2470

497.3164,
511.7730, 591.8888

63.4541, 63.8776,
78.3831

138.0963,
140.4344, 167.7029

46.4687, 46.5515,
57.8704

172.0901,
175.4275, 208.1319

32.8220, 32.6813,
41.2904

211.2495,
215.7984, 254.5863

22.1487, 21.8824,
28.2247

255.9397,
261.9314, 307.4847

14.0834, 13.7705,
18.2546

306.5262,
314.2110, 367.2456

8.2608, 7.9612,
10.9616

363.3742,

4.3155, 4.0701,

373.0215, 434.2876

5.9272

426.8492,
438.7474, 509.0291

■ 1.8821, 1.7129,
2.7328

■ 0.5664, 0.4320,
0.9599

■ 84.1436, 85.0438,
103.2470

■ 84.1436, 85.0438,
103.2470

■ 74.0115, 69.9553,
100.8699

94.1702, 99.6201,
105.5333

■ 65.0449, 56.9052,
98.8236

94.4128, 99.7451,
105.5447

■ 57.1975, 45.8045,
97.0946

■ 50.4169, 36.5539,
95.6664

■ 44.6463, 29.0444,
94.5210

■ 39.8226, 23.1558,
93.6387

■ 35.8750, 18.7517,
92.9967

■ 32.7207, 15.6724,
92.5685

■ 30.2561, 13.7167,
92.3209

Harmonies

Analogous

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



81.8739, 85.0438, 106.8407



84.1436, 85.0438, 103.2470



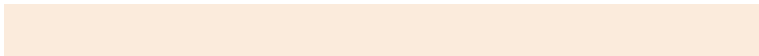
85.5423, 85.0438, 96.8726

Triad

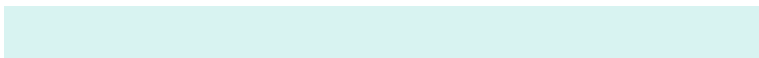
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1436, 85.0438, 103.2470



82.3106, 85.0438, 79.9817



76.1857, 85.0438, 95.6026

Complementary

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



84.1436, 85.0438, 103.2470



85.6273, 93.6379, 91.4071

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.



76.2970, 85.0438, 88.4515



84.1436, 85.0438, 103.2470



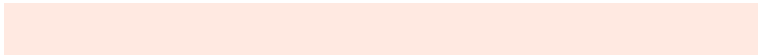
79.7981, 85.0438, 79.6813

Square

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



84.1436, 85.0438, 103.2470



84.4690, 85.0438, 83.5513



77.6076, 85.0438, 82.7081



77.3001, 85.0438, 102.2758

Rectangle

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



84.1436, 85.0438, 103.2470



85.7752, 85.0438, 92.0283



77.6076, 85.0438, 82.7081



76.0817, 85.0438, 93.1705

Sweetspot

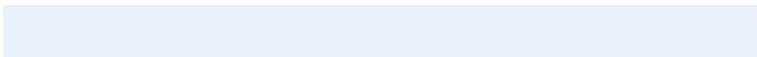
The Sweet Spot groups the original color and five complimentary colors.



84.1461, 85.0474, 103.2489



92.6760, 96.3929, 108.3289



82.8276, 87.4208, 103.7765



19.8614, 20.6698, 23.1928



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.



84.1461, 85.0474, 103.2489



85.8601, 86.1090, 106.7031



86.3990, 86.2346, 102.1931



17.2615, 17.1475, 21.7853



15.7060, 7.0394, 48.5045



1.5750, 0.7140, 4.4980

Inverse Universe

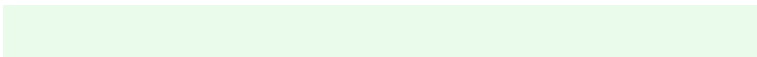
The Inverse Universe completely reimagines the original color for something new.



85.0867, 85.7097, 95.2826



87.0119, 86.9191, 96.9866



83.4877, 92.5113, 92.3736



17.5410, 17.3438, 19.4387



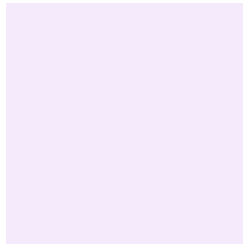
22.2770, 11.3265, 8.1670



2.1145, 1.0695, 1.0264

Previews

White Background



This preview shows how the XYZ color 84.1436, 85.0438, 103.2470 looks on a white background.

Color Contrast Check

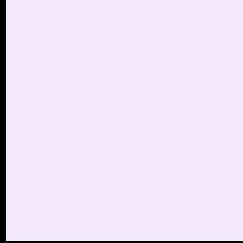
Large Text (above 18pt) WCAG AA × Fail

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 84.1436, 85.0438, 103.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

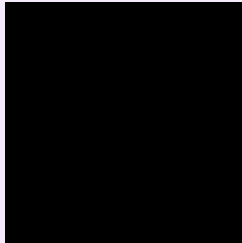
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.1436, 85.0438, 103.2470

Background



This preview shows how black text looks on a background with the XYZ color 84.1436, 85.0438, 103.2470.



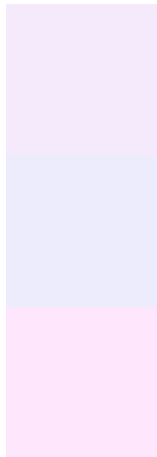
This preview shows how white text looks on a background with the XYZ color 84.1436, 85.0438,

103.2470.

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

84.1436, 85.0438, 103.2470

Protanopia

82.4912, 85.0237, 104.1589

Deuteranopia

87.0197, 85.2509, 103.9641



Tritanopia

84.3017, 85.1070, 104.0796

Trichromacy



Original Color

84.1436, 85.0438, 103.2470

Protanomaly

83.2142, 84.9702, 104.1105

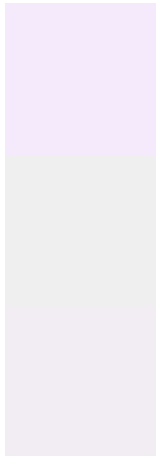
Deuteranomaly

85.8516, 85.0655, 103.9899

Tritanomaly

84.3017, 85.1070, 104.0796

Monochromacy



Original Color

84.1436, 85.0438, 103.2470

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.7375, 85.7402, 96.9828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.1436, 85.0438, 103.2470 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(244, 234, 251) looks like.

```
.text, #text, p{  
    color:rgb(244, 234, 251)  
}
```

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(244, 234, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 234, 251) }
```

Border

The CSS property to change the border of an element to XYZ 84.1436, 85.0438, 103.2470 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(244, 234, 251) }
```


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

```
.border{ border-color:rgb(244, 234, 251) }
```

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

Here you see how a box with a 4 pixel rgb(244, 234, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 234, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 234, 251);  
box-shadow:4px 4px 4px 4px rgb(244, 234,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 84.1436, 85.0438, 103.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 234, 251) }
```

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

```
.background{ background-color: rgb(244,  
234, 251) }
```

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