

Converting Colors

XYZ(81.1887, 84.2843, 89.8611)

Have a look what the booklet for
XYZ(81.1887, 84.2843, 89.8611)
contains.

XYZ(81.1776, 84.2344, 89.8223)	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(81.1776, 84.2344,
89.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EBEA
RGB	242, 235, 234
RGB Percent	95%, 92%, 92%
CMY	0.0510, 0.0784, 0.0823
CMYK	0.00, 0.03, 0.03, 0.05
HSL	8°, 24%, 93%
HSV	8°, 3%, 95%
XYZ	81.1776, 84.2344, 89.8223
YIQ	236.9790, 4.4930, 1.1730

Conversions

Conversions Part 2

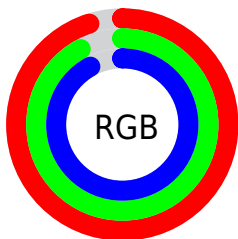
Format	Color
R_{YB}	242, 235, 234
Decimal	15920106
CIE Lab	93.55, 2.18, 1.31
CIE LCh	94, 2.545, 30.966
Yxy	84.2344, 0.3181, 0.3300
Android (android.graphics.Color)	4294110186 (0xFF2E2E2E)
YUV	236.9790, -1.4686, 4.4034
Hunter-Lab	91.7793, -2.7328, 6.2197

Details

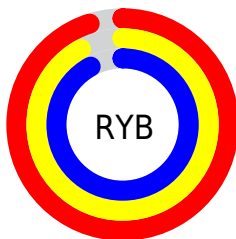
The XYZ color **81.1776, 84.2344, 89.8223** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4141, 86.8128, 96.4712**, and the grayscale version is **80.4907, 84.6825, 92.2192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4057, 45.8937, 48.6374** is the 20% darker color. If you saturate the color by 10%, you get **72.2334, 71.5343, 70.8436**, and if you desaturate by 10%, it is **90.4285, 97.6175, 108.6837**.

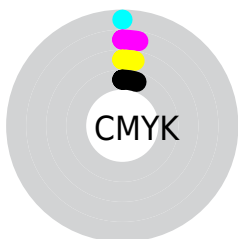
Distribution



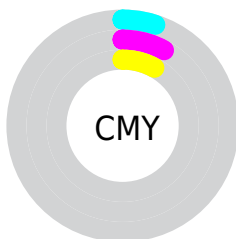
- Red (95%)
- Green (92%)
- Blue (92%)



- Red (95%)
- Yellow (92%)
- Blue (92%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1776, 84.2344, 89.8223 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 81.1776, 84.2344, 89.8223 by changing the saturation by 10% instead.

81.1776, 84.2344,
89.8223

81.1776, 84.2344,
89.8223

487.5689,
509.0913, 548.0078

60.9997, 63.2090,
67.2604

133.9620,
139.3030, 149.0249

44.4774, 46.0103,
48.8333

167.2991,
174.1150, 186.5027

31.2455, 32.2539,
34.1226

205.7534,
214.2913, 229.7895

20.9386, 21.5555,
22.7097

249.6901,
260.2163, 279.3038

13.1914, 13.5307,
14.1760

299.4747,
312.2744, 335.4643

7.6384, 7.7950,
8.1030

355.4724,

3.9143, 3.9640,

370.8500, 398.6894

4.0722

418.0487,
436.3275, 469.3978

■ 1.6538, 1.6535,
1.6651

■ 0.4271, 0.3933,
0.3366

■ 81.1776, 84.2344,
89.8223

■ 81.1776, 84.2344,
89.8223

■ 72.2334, 71.5343,
70.8436

■ 90.4285, 97.6175,
108.6837

■ 64.4383, 60.4041,
54.4954

■ 57.7476, 50.7862,
40.6631

■ 52.1111, 42.6151,
29.2216

■ 47.4745, 35.8205,
20.0349

■ 43.7787, 30.3263,
12.9536

■ 40.9583, 26.0490,
7.8098

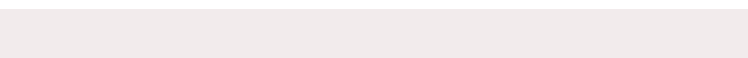
■ 38.9391, 22.8950,
4.4102

■ 37.6344, 20.7572,
2.5211

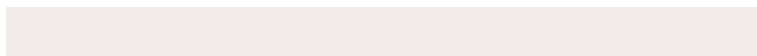
Harmonies

Analogous

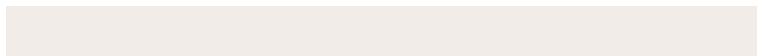
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3638, 84.2344, 91.6545



81.1776, 84.2344, 89.8223



80.6923, 84.2344, 88.5130

Triad

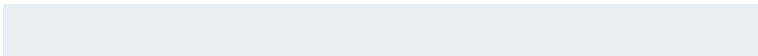
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1776, 84.2344, 89.8223



78.9356, 84.2344, 89.9291



80.0841, 84.2344, 95.4746

Complementary

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



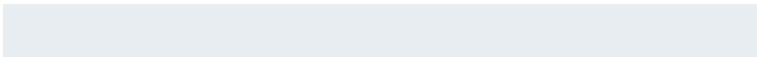
81.1776, 84.2344, 89.8223



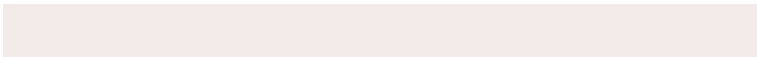
81.4141, 86.8128, 96.4712

Split Complementary

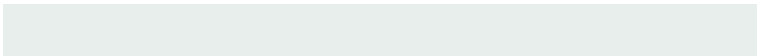
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4355, 84.2344, 94.9973



81.1776, 84.2344, 89.8223



78.7747, 84.2344, 91.7794

Square

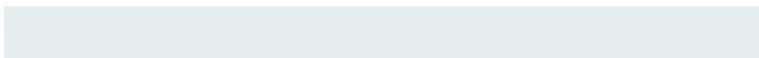
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



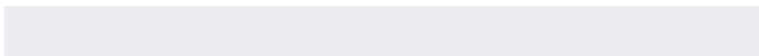
81.1776, 84.2344, 89.8223



79.3980, 84.2344, 88.5740



78.9572, 84.2344, 93.6380



80.7303, 84.2344, 94.9333

Rectangle

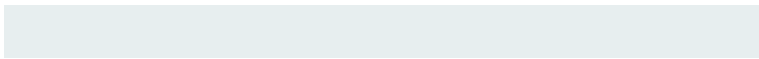
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



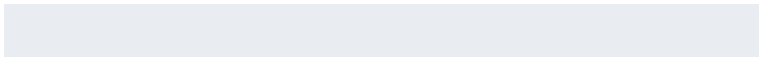
81.1776, 84.2344, 89.8223



80.2657, 84.2344, 88.1035



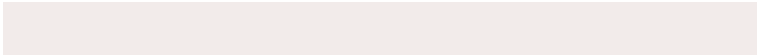
78.9572, 84.2344, 93.6380



79.8591, 84.2344, 95.4279

Sweetspot

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



81.1800, 84.2380, 89.8241



93.9348, 98.4223, 106.5163



81.9292, 84.0791, 95.1833



20.1177, 21.0831, 22.8240



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

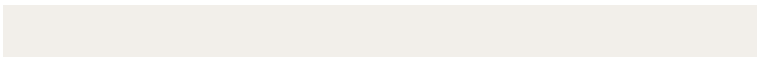
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1800, 84.2380, 89.8241



90.6710, 93.8006, 99.5527



82.3175, 86.5131, 90.2033



16.8404, 17.3666, 18.3416



19.9787, 10.7555, 1.0230



1.7129, 0.9965, 0.1021

Inverse Universe

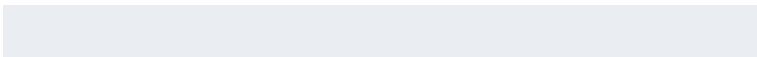
The Inverse Universe completely reimagines the original color for something new.



81.4141, 86.8128, 96.4712



90.9894, 97.3025, 108.5933



80.2635, 84.5116, 96.0877



16.9105, 18.1373, 20.3312



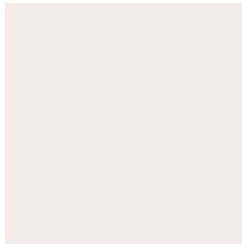
21.2777, 28.7797, 49.5615



1.8171, 2.4881, 4.1387

Previews

White Background



This preview shows how the XYZ color 81.1776, 84.2344, 89.8223 looks on a white background.

Color Contrast Check

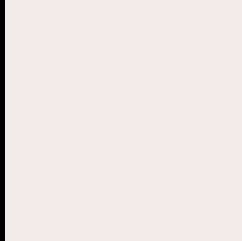
Large Text (above 18pt) WCAG AA × Fail

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 81.1776, 84.2344, 89.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

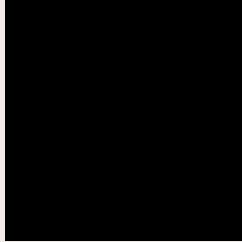
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

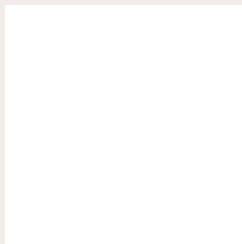
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1776, 84.2344, 89.8223

Background



This preview shows how black text looks on a background with the XYZ color 81.1776, 84.2344, 89.8223.



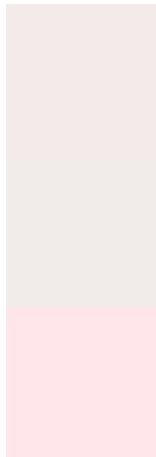
This preview shows how white text looks on a background with the XYZ color 81.1776, 84.2344,

89.8223.

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

81.1776, 84.2344, 89.8223

Protanopia

80.8352, 84.0579, 89.8062

Deuteranopia

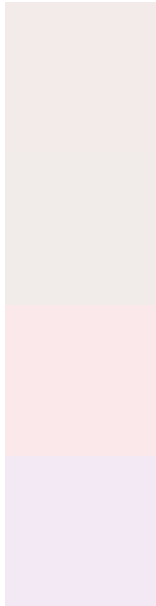
84.5322, 83.8518, 90.3269



Tritanopia

83.5774, 83.9114, 103.0583

Trichromacy



Original Color

81.1776, 84.2344, 89.8223

Protanomaly

80.8352, 84.0579, 89.8062

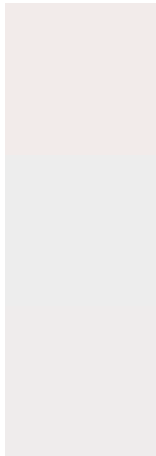
Deuteranomaly

83.2764, 84.0354, 90.4286

Tritanomaly

82.5825, 83.9251, 98.2328

Monochromacy



Original Color

81.1776, 84.2344, 89.8223

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.7324, 84.3978, 91.3922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1776, 84.2344, 89.8223 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(242, 235, 234) looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 234)  
}
```

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(242, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 234) }
```

Border

The CSS property to change the border of an element to XYZ 81.1776, 84.2344, 89.8223 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(242, 235, 234) }
```


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

```
.border{ border-color:rgb(242, 235, 234) }
```

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

Here you see how a box with a 4 pixel rgb(242, 235, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1776, 84.2344, 89.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 234) }
```

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

```
.background{ background-color: rgb(242,  
235, 234) }
```

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