

Converting Colors

XYZ(81.8696, 85.6536, 92.8866)

Have a look what the booklet for
XYZ(81.8696, 85.6536, 92.8866)
contains.

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Color

**XYZ(81.9423, 85.8474,
93.1403)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EEEE
RGB	240, 238, 238
RGB Percent	94%, 93%, 93%
CMY	0.0588, 0.0666, 0.0667
CMYK	0.00, 0.01, 0.01, 0.06
HSL	0°, 6%, 94%
HSV	0°, 1%, 94%
XYZ	81.9423, 85.8474, 93.1403
YIQ	238.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

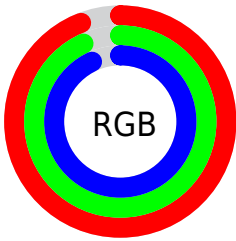
Format	Color
R_{YB}	240, 238, 238
Decimal	15789806
CIE Lab	94.25, 0.67, 0.23
CIE LCh	94, 0.709, 18.570
Yxy	85.8474, 0.3140, 0.3290
Android (android.graphics.Color)	4293979886 (0xFFFF0EEEE)
YUV	238.5980, -0.2948, 1.2296
Hunter-Lab	92.6539, -4.2804, 5.2564

Details

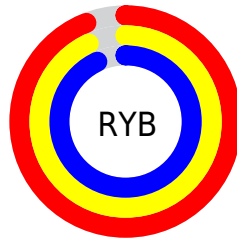
The XYZ color **81.9423, 85.8474, 93.1403** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.1481, 86.7873, 94.8611**, and the grayscale version is **81.7353, 85.9919, 93.6452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9386, 47.0236, 50.9639** is the 20% darker color. If you saturate the color by 10%, you get **72.1340, 71.5018, 73.6187**, and if you desaturate by 10%, it is **89.7456, 97.2655, 108.6518**.

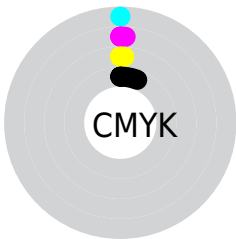
Distribution



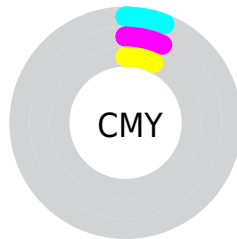
- Red (94%)
- Green (93%)
- Blue (93%)



- Red (94%)
- Yellow (93%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9423, 85.8474, 93.1403 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 81.9423, 85.8474, 93.1403 by changing the saturation by 10% instead.

81.9423, 85.8474,
93.1403

81.9423, 85.8474,
93.1403

490.0921,
514.4279, 559.0256

61.6319, 64.5418,
69.9998

135.0293,
141.5565, 153.6662

44.9898, 47.0896,
51.0496

168.5367,
176.7288, 191.8887

31.6507, 33.1065,
35.8711

207.1738,
217.2921, 235.9757

21.2491, 22.2081,
24.0457

251.3059,
263.6309, 286.3456

13.4197, 14.0099,
15.1550

301.2984,
316.1294, 343.4170

7.7972, 8.1275,
8.7804

357.5167,

4.0161, 4.1767,

375.1722, 407.6084

4.5034

420.3262,
441.1435, 479.3384

■ 1.7113, 1.7729,
1.9054

■ 0.4633, 0.4702,
0.4961

■ 81.9423, 85.8474,
93.1403

■ 81.9423, 85.8474,
93.1403

■ 72.1340, 71.5018,
73.6187

■ 89.7456, 97.2655,
108.6518

■ 63.6662, 59.1156,
56.7709

■ 56.4830, 48.6073,
42.4822

■ 50.5216, 39.8852,
30.6275

■ 45.7140, 32.8501,
21.0712

■ 41.9857, 27.3930,
13.6644

■ 39.2534, 23.3922,
8.2407

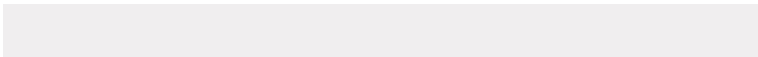
■ 37.4216, 20.7083,
4.6096

■ 36.3761, 19.1747,
2.5429

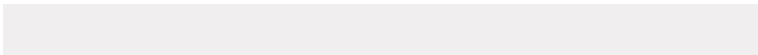
Harmonies

Analogous

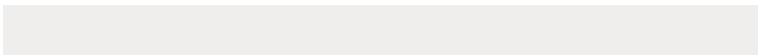
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9541, 85.8474, 93.6808



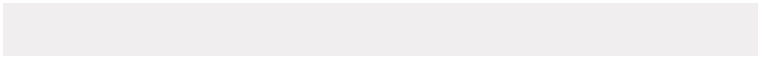
81.9423, 85.8474, 93.1403



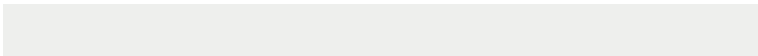
81.8374, 85.8474, 92.6907

Triad

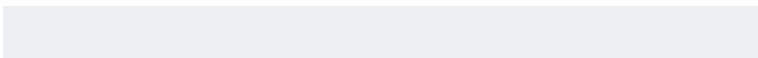
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9423, 85.8474, 93.1403



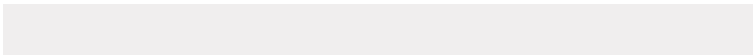
81.3217, 85.8474, 92.7824



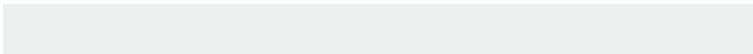
81.5230, 85.8474, 94.5029

Complementary

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



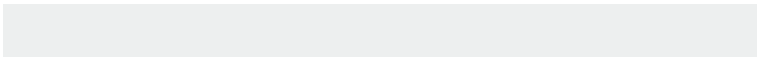
81.9423, 85.8474, 93.1403



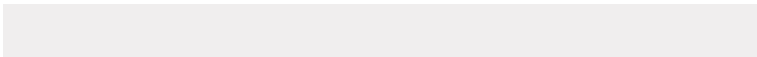
82.1481, 86.7873, 94.8611

Split Complementary

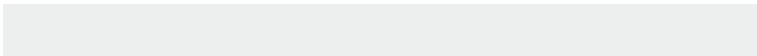
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3538, 85.8474, 94.2602



81.9423, 85.8474, 93.1403



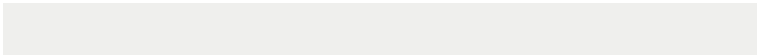
81.2377, 85.8474, 93.2660

Square

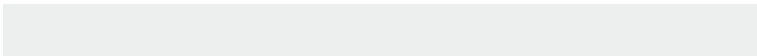
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



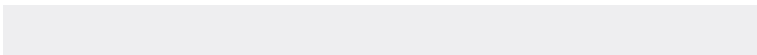
81.9423, 85.8474, 93.1403



81.4790, 85.8474, 92.4846



81.2494, 85.8474, 93.8069



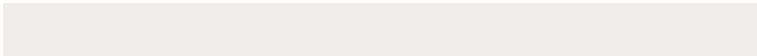
81.7118, 85.8474, 94.4689

Rectangle

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



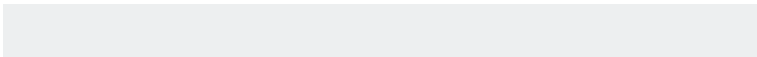
81.9423, 85.8474, 93.1403



81.7290, 85.8474, 92.5023



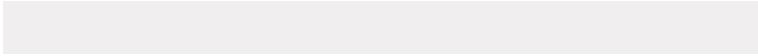
81.2494, 85.8474, 93.8069



81.4619, 85.8474, 94.4509

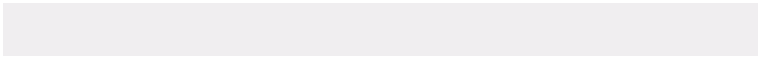
Sweetspot

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



81.9447, 85.8511, 93.1422

95.0500, 100.0000, 108.9000



82.2390, 85.9669, 94.6980



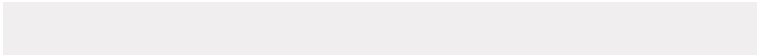
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

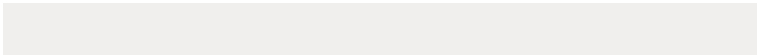
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9447, 85.8511, 93.1422



93.8357, 98.2239, 106.4832



82.2355, 86.4325, 93.2391



17.5895, 18.4173, 19.9711



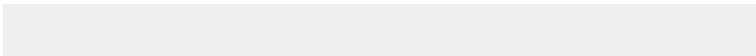
19.6756, 10.1493, 0.9220



1.6377, 0.8462, 0.0770

Inverse Universe

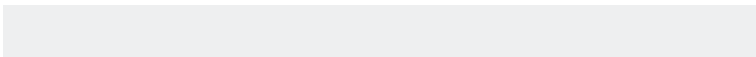
The Inverse Universe completely reimagines the original color for something new.



82.1481, 86.7873, 94.8611



94.1164, 99.5162, 108.8558



81.8558, 86.2027, 94.7637



17.6392, 18.6460, 20.3910



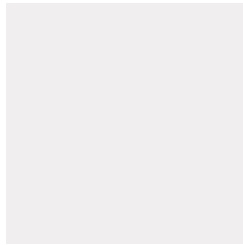
25.5888, 37.4019, 50.9985



2.1297, 3.1133, 4.2429

Previews

White Background



This preview shows how the XYZ color 81.9423, 85.8474, 93.1403 looks on a white background.

Color Contrast Check

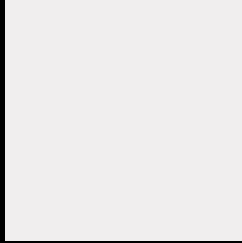
Large Text (above 18pt) WCAG AA × Fail

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 81.9423, 85.8474, 93.1403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

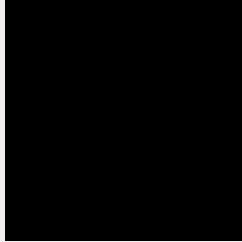
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

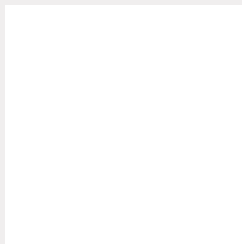
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9423, 85.8474, 93.1403

Background



This preview shows how black text looks on a background with the XYZ color 81.9423, 85.8474, 93.1403.



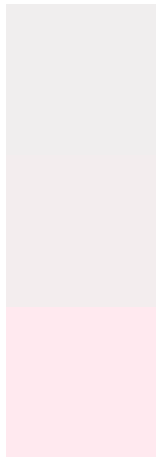
This preview shows how white text looks on a background with the XYZ color 81.9423, 85.8474,

93.1403.

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

81.9423, 85.8474, 93.1403

Protanopia

82.6790, 85.7961, 93.0916

Deuteranopia

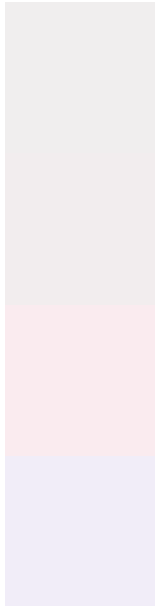
85.9589, 85.7698, 93.6861



Tritanopia

84.5028, 86.0239, 105.9164

Trichromacy



Original Color

81.9423, 85.8474, 93.1403

Protanomaly

82.3348, 85.6187, 93.0755

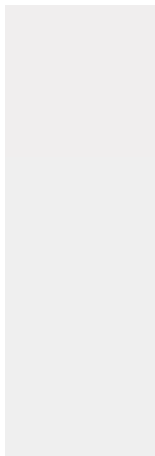
Deuteranomaly

84.7127, 85.9727, 93.7909

Tritanomaly

83.5031, 86.0465, 101.0145

Monochromacy



Original Color

81.9423, 85.8474, 93.1403

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.0431, 86.3157, 93.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9423, 85.8474, 93.1403 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(240, 238, 238) looks like.

```
.text, #text, p{  
    color:rgb(240, 238, 238)  
}
```

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(240, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 238, 238) }
```

Border

The CSS property to change the border of an element to XYZ 81.9423, 85.8474, 93.1403 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(240, 238, 238) }
```

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

```
.border{ border-color:rgb(240, 238, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 238, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 238,  
238) }
```


Background

The CSS property to change the background color of an element to XYZ 81.9423, 85.8474, 93.1403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 238, 238) }
```

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

```
.background{ background-color: rgb(240,  
238, 238) }
```

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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