

Converting Colors

XYZ(81.7765, 85.8212, 83.8606)

Have a look what the booklet for
XYZ(81.7765, 85.8212, 83.8606)
contains.

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Color

**XYZ(81.9582, 86.0525,
84.2416)**

Conversions

Conversions Part 1

Format	Color
Hex	F5EEE2
RGB	245, 238, 226
RGB Percent	96%, 93%, 89%
CMY	0.0392, 0.0666, 0.1137
CMYK	0.00, 0.03, 0.08, 0.04
HSL	38°, 49%, 92%
HSV	38°, 8%, 96%
XYZ	81.9582, 86.0525, 84.2416
YIQ	238.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

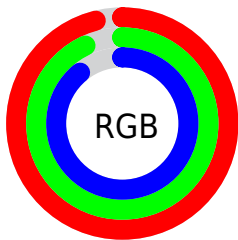
Format	Color
R_{YB}	237, 245, 226
Decimal	16117474
CIE _{Lab}	94.33, 0.33, 6.63
CIE _{LCh}	94, 6.635, 87.191
Yxy	86.0525, 0.3249, 0.3411
Android (android.graphics.Color)	4294307554 (0xFF5EE2)
YUV	238.7250, -6.2734, 5.5032
Hunter-Lab	92.7645, -4.6316, 11.0925

Details

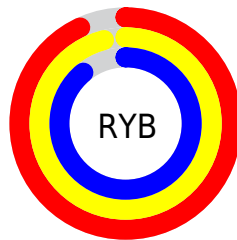
The XYZ color **81.9582, 86.0525, 84.2416** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.9843, 81.0379, 97.9716**, and the grayscale version is **81.8751, 86.1390, 93.8054**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0649, 47.2150, 45.2663** is the 20% darker color. If you saturate the color by 10%, you get **76.2736, 79.6838, 66.9286**, and if you desaturate by 10%, it is **88.2597, 92.8841, 104.1322**.

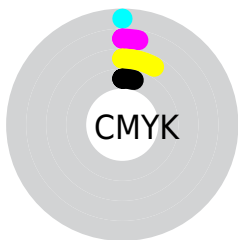
Distribution



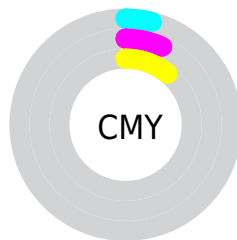
- Red (96%)
- Green (93%)
- Blue (89%)



- Red (93%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (4%)



- Cyan (4%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9582, 86.0525, 84.2416 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 81.9582, 86.0525, 84.2416 by changing the saturation by 10% instead.

81.9582, 86.0525,
84.2416

81.9582, 86.0525,
84.2416

490.1445,
515.1043, 529.1942

61.6451, 64.7114,
62.6684

135.0515,
141.8427, 141.1778

45.0005, 47.2271,
45.1337

168.5624,
177.0607, 177.3779

31.6591, 33.2152,
31.2190

207.2033,
217.6730, 219.2907

21.2555, 22.2914,
20.5058

251.3394,
264.0641, 267.3348

13.4244, 14.0711,
12.5756

301.3363,
316.6184, 321.9286

7.8005, 8.1702,
7.0097

357.5592,

4.0183, 4.2040,

375.7203, 383.4907

3.3896

420.3735,
441.7541, 452.4398

■ 1.7125, 1.7883,
1.2968

■ 0.4641, 0.4799,
0.0592

■ 81.9582, 86.0525,
84.2416

■ 81.9582, 86.0525,
84.2416

■ 76.2736, 79.6838,
66.9286

■ 88.2597, 92.8841,
104.1322

■ 71.1765, 73.7548,
52.0804

■ 91.4666, 98.1527,
108.7323

■ 66.6456, 68.2567,
39.5837

■ 62.6555, 63.1762,
29.3144

■ 59.1784, 58.4988,
21.1366

■ 56.1838, 54.2090,
14.8995

■ 53.6372, 50.2896,
10.4319

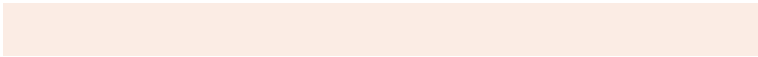
■ 51.4982, 46.7208,
7.5321

■ 49.7132, 43.4776,
5.9298

Harmonies

Analogous

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



83.6592, 86.0525, 85.6958



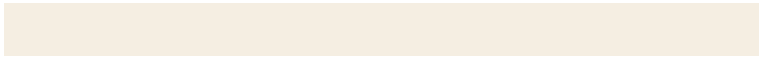
81.9582, 86.0525, 84.2416



80.2360, 86.0525, 85.2438

Triad

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



81.9582, 86.0525, 84.2416



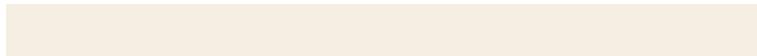
78.7830, 86.0525, 98.2483



84.7013, 86.0525, 99.1097

Complementary

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



81.9582, 86.0525, 84.2416



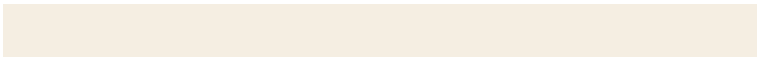
76.9843, 81.0379, 97.9716

Split Complementary

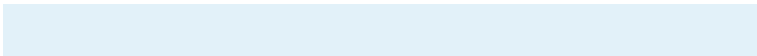
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3646, 86.0525, 102.6903



81.9582, 86.0525, 84.2416



79.9495, 86.0525, 102.1804

Square

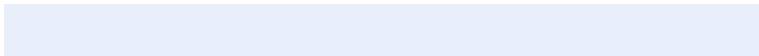
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9582, 86.0525, 84.2416



78.4186, 86.0525, 93.2169



81.6227, 86.0525, 103.8337



85.2573, 86.0525, 94.1778

Rectangle

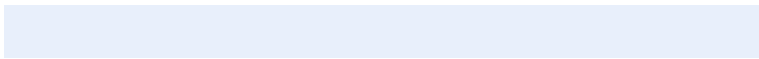
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9582, 86.0525, 84.2416



79.3046, 86.0525, 87.1909



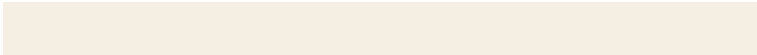
81.6227, 86.0525, 103.8337



84.3275, 86.0525, 100.5180

Sweetspot

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



81.9606, 86.0563, 84.2435



93.6435, 98.4836, 104.4340



79.6022, 79.7058, 88.4936



20.0583, 21.0955, 22.3999



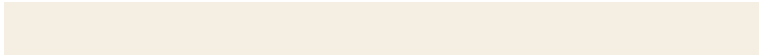
0.0000, 0.0000, 0.0000



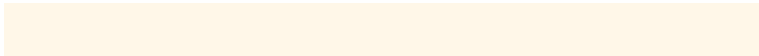
20.3446, 21.4041, 23.3091

Same Dimension

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



81.9606, 86.0563, 84.2435



88.9359, 93.3357, 89.7093



83.2684, 89.8131, 84.8997



17.3719, 18.2279, 17.4003



26.7189, 23.3234, 3.0936



2.4463, 2.2457, 0.3045

Inverse Universe

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



76.9843, 81.0379, 97.9716



82.6524, 86.9991, 107.0440



75.7427, 77.5160, 97.3573



16.0808, 16.9259, 20.9620



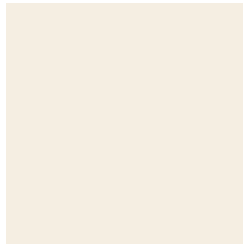
10.9787, 7.7513, 47.4555



1.0596, 0.8706, 4.2024

Previews

White Background



This preview shows how the XYZ color 81.9582, 86.0525, 84.2416 looks on a white background.

Color Contrast Check

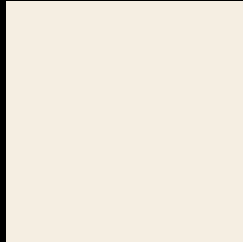
Large Text (above 18pt) WCAG AA × Fail

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 81.9582, 86.0525, 84.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

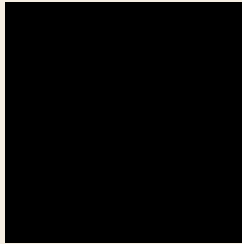
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.9582, 86.0525, 84.2416

Background



This preview shows how black text looks on a background with the XYZ color 81.9582, 86.0525, 84.2416.



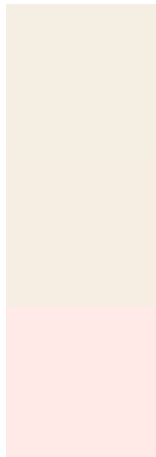
This preview shows how white text looks on a background with the XYZ color 81.9582, 86.0525,

84.2416.

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

81.9582, 86.0525, 84.2416

Protanopia

82.3080, 86.2329, 84.2580

Deuteranopia

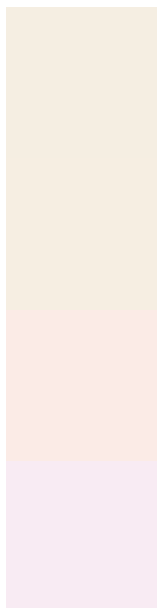
85.2283, 85.9318, 88.4384



Tritanopia

86.0604, 86.0136, 104.1619

Trichromacy



Original Color

81.9582, 86.0525, 84.2416

Protanomaly

82.3080, 86.2329, 84.2580

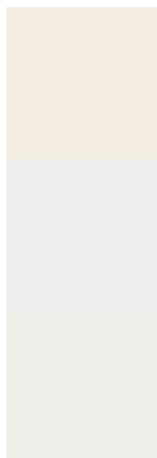
Deuteranomaly

83.7749, 85.6391, 86.9775

Tritanomaly

84.5974, 85.8442, 96.9048

Monochromacy



Original Color

81.9582, 86.0525, 84.2416

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.9934, 86.3743, 90.1923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9582, 86.0525, 84.2416 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(245, 238, 226) looks like.

```
.text, #text, p{  
    color:rgb(245, 238, 226)  
}
```

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(245, 238, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 238, 226) }
```

Border

The CSS property to change the border of an element to XYZ 81.9582, 86.0525, 84.2416 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(245, 238, 226) }
```


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

```
.border{ border-color:rgb(245, 238, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 238, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 238, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 238, 226);  
box-shadow:4px 4px 4px 4px rgb(245, 238,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9582, 86.0525, 84.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 238, 226) }
```

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

```
.background{ background-color: rgb(245,  
238, 226) }
```

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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