

Converting Colors

XYZ(82.7579, 89.4331, 86.0550)

Have a look what the booklet for
XYZ(82.7579, 89.4331, 86.0550)
contains.

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Color

**XYZ(82.9316, 89.6070,
86.3237)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F5E4
RGB	241, 245, 228
RGB Percent	95%, 96%, 89%
CMY	0.0549, 0.0392, 0.1059
CMYK	0.02, 0.00, 0.07, 0.04
HSL	74°, 46%, 93%
HSV	74°, 7%, 96%
XYZ	82.9316, 89.6070, 86.3237
YIQ	241.8660, 3.0730, -6.1350

Conversions

Conversions Part 2

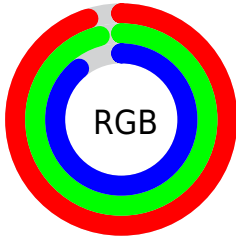
Format	Color
R_{YB}	228, 245, 232
Decimal	15857124
CIE _{Lab}	95.83, -4.26, 7.71
CIE _{LCh}	96, 8.808, 118.910
Y _{xy}	89.6070, 0.3204, 0.3462
Android (android.graphics.Color)	4294047204 (0xFFFF1F5E4)
YUV	241.8660, -6.8359, -0.7595
Hunter-Lab	94.6610, -9.2745, 12.1947

Details

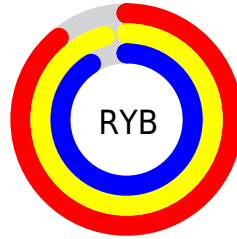
The XYZ color **82.9316, 89.6070, 86.3237** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.5070, 79.2376, 97.6002**, and the grayscale version is **84.3449, 88.7374, 96.6350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7480, 49.7266, 46.7222** is the 20% darker color. If you saturate the color by 10%, you get **77.8308, 87.3456, 69.5709**, and if you desaturate by 10%, it is **88.5818, 92.1011, 105.6220**.

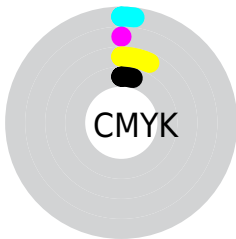
Distribution



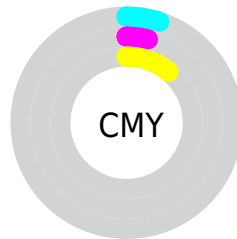
- Red (95%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (5%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9316, 89.6070, 86.3237 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 82.9316, 89.6070, 86.3237 by changing the saturation by 10% instead.

 82.9316, 89.6070,
86.3237

 82.9316, 89.6070,
86.3237


493.3459,
526.7516, 536.2564

 62.4504, 67.6547,
64.3793


136.4087,
146.7924, 144.1117

 45.6537, 49.6169,
46.5098


170.1353,
182.7943, 180.7922

 32.1761, 35.1091,
32.2967


209.0078,
224.2482, 223.2220

 21.6523, 23.7469,
21.3215

253.3916,
271.5385, 271.8193

 13.7168, 15.1460,
13.1657

303.6519,
325.0496, 327.0029

 8.0043, 8.9219,
7.4107

360.1541,

 4.1495, 4.6903,

385.1659, 389.1913

3.6379

423.2637,
452.2718, 458.8029

■ 1.7871, 2.0667,
1.4289

■ 0.5099, 0.6458,
0.1641

■ 82.9316, 89.6070,
86.3237

■ 82.9316, 89.6070,
86.3237

■ 77.8308, 87.3456,
69.5709

■ 88.5818, 92.1011,
105.6220

■ 73.2513, 85.2970,
55.2514

■ 91.0455, 93.3250,
107.8227

■ 69.1734, 83.4561,
43.2535

■ 91.9442, 93.7884,
107.8647

■ 65.5732, 81.8133,
33.4544

■ 62.4245, 80.3580,
25.7200

■ 59.6987, 79.0788,
19.9015

■ 57.3630, 77.9624,
15.8304

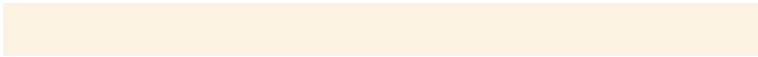
■ 55.3793, 76.9935,
13.3087

■ 53.6989, 76.1526,
12.0840

Harmonies

Analogous

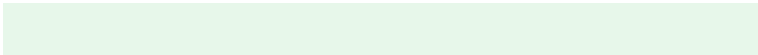
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2576, 89.6070, 84.7993



82.9316, 89.6070, 86.3237



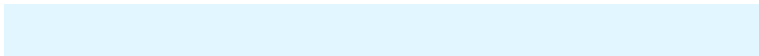
81.2328, 89.6070, 90.8236

Triad

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



82.9316, 89.6070, 86.3237



82.7805, 89.6070, 109.4710



89.9226, 89.6070, 97.8215

Complementary

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



82.9316, 89.6070, 86.3237



77.5070, 79.2376, 97.6002

Split Complementary

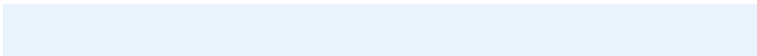
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2298, 89.6070, 104.6357



82.9316, 89.6070, 86.3237



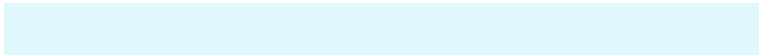
85.0799, 89.6070, 111.5555

Square

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



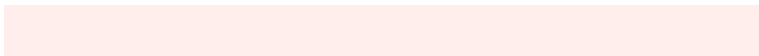
82.9316, 89.6070, 86.3237



81.1468, 89.6070, 104.1746



87.4458, 89.6070, 109.7460



89.3215, 89.6070, 91.2445

Rectangle

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



82.9316, 89.6070, 86.3237



80.6688, 89.6070, 95.0173



87.4458, 89.6070, 109.7460



89.8331, 89.6070, 100.1615

Sweetspot

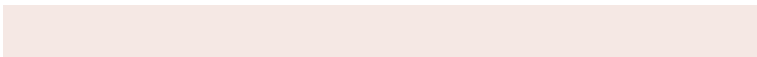
The Sweet Spot groups the original color and five complimentary colors.



82.9341, 89.6109, 86.3256



93.7991, 99.4488, 104.6121



80.5101, 82.7111, 85.1216



20.0900, 21.2919, 22.4362



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.



82.9341, 89.6109, 86.3256



90.1921, 97.8552, 92.4289



80.1111, 88.1556, 86.1935



17.5109, 19.1054, 17.5624



28.7991, 40.9593, 6.3881



2.6211, 3.6463, 0.5657

Inverse Universe

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



77.5070, 79.2376, 97.6002



83.3772, 84.8291, 106.5869



80.3217, 80.6886, 97.7319



15.9464, 16.1150, 20.8126



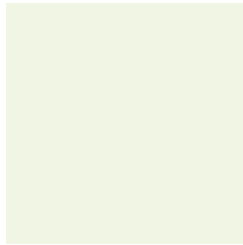
9.9107, 4.0835, 46.8039



0.9586, 0.4040, 4.1177

Previews

White Background



This preview shows how the XYZ color 82.9316, 89.6070, 86.3237 looks on a white background.

Color Contrast Check

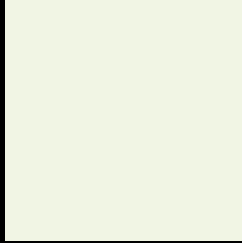
Large Text (above 18pt) WCAG AA × Fail

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 82.9316, 89.6070, 86.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

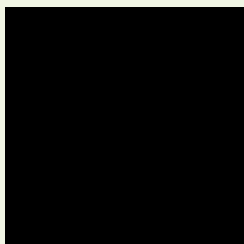
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

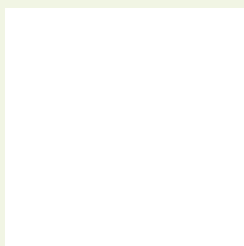
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.9316, 89.6070, 86.3237

Background



This preview shows how black text looks on a background with the XYZ color 82.9316, 89.6070, 86.3237.



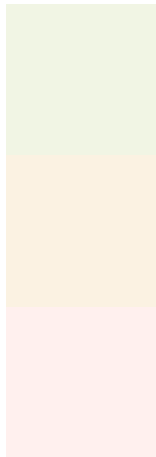
This preview shows how white text looks on a background with the XYZ color 82.9316, 89.6070,

86.3237.

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

82.9316, 89.6070, 86.3237

Protanopia

85.2633, 89.5045, 84.7337

Deuteranopia

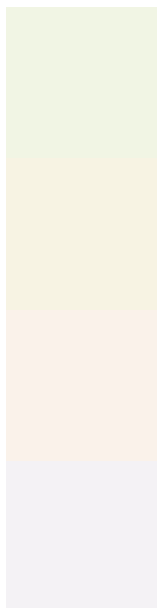
87.8327, 89.7532, 93.5837



Tritanopia

87.1615, 89.5431, 107.2974

Trichromacy



Original Color

82.9316, 89.6070, 86.3237

Protanomaly

84.2735, 89.4214, 85.4914

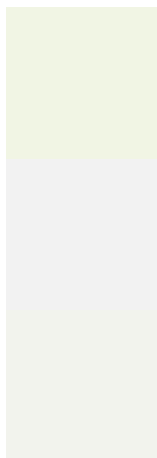
Deuteranomaly

86.0278, 89.7688, 90.6349

Tritanomaly

85.5418, 89.3299, 99.1201

Monochromacy



Original Color

82.9316, 89.6070, 86.3237

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9546, 89.0929, 92.8925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9316, 89.6070, 86.3237 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(241, 245, 228) looks like.

```
.text, #text, p{  
    color:rgb(241, 245, 228)  
}
```

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(241, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 245, 228) }
```

Border

The CSS property to change the border of an element to XYZ 82.9316, 89.6070, 86.3237 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(241, 245, 228) }
```


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

```
.border{ border-color:rgb(241, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(241, 245,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9316, 89.6070, 86.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 245, 228) }
```

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

```
.background{ background-color: rgb(241,  
245, 228) }
```

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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