

Converting Colors

XYZ(83.1205, 89.6815, 90.3529)

Have a look what the booklet for
XYZ(83.1205, 89.6815, 90.3529)
contains.

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Color

**XYZ(82.9570, 89.5387,
90.0012)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF5E9
RGB	239, 245, 233
RGB Percent	94%, 96%, 91%
CMY	0.0627, 0.0392, 0.0863
CMYK	0.02, 0.00, 0.05, 0.04
HSL	90°, 38%, 94%
HSV	90°, 5%, 96%
XYZ	82.9570, 89.5387, 90.0012
YIQ	241.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

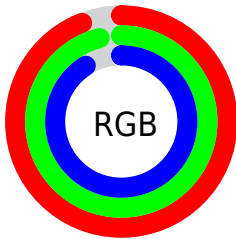
Format	Color
R _Y B	233, 245, 239
Decimal	15726057
CIE Lab	95.81, -4.09, 5.07
CIE LCh	96, 6.512, 128.875
Yxy	89.5387, 0.3160, 0.3411
Android (android.graphics.Color)	4293916137 (0xFFEFF5E9)
YUV	241.8380, -4.3571, -2.4889
Hunter-Lab	94.6249, -9.1038, 9.8445

Details

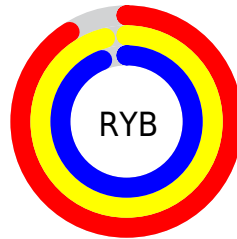
The XYZ color **82.9570, 89.5387, 90.0012** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2204, 83.2235, 98.1738**, and the grayscale version is **84.3054, 88.6958, 96.5897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6618, 49.6368, 48.7692** is the 20% darker color. If you saturate the color by 10%, you get **75.6998, 86.1768, 72.6423**, and if you desaturate by 10%, it is **90.5802, 93.0852, 107.8009**.

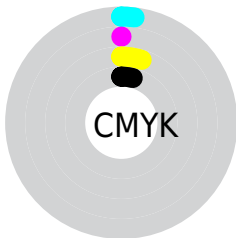
Distribution



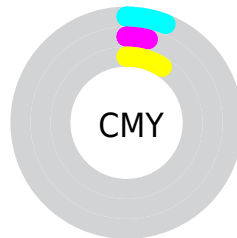
- Red (94%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9570, 89.5387, 90.0012 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 82.9570, 89.5387, 90.0012 by changing the saturation by 10% instead.

82.9570, 89.5387,
90.0012

82.9570, 89.5387,
90.0012

493.4293,
526.5291, 548.6050

62.4715, 67.5981,
67.4079

136.4441,
146.6975, 149.2756

45.6708, 49.5708,
48.9525

170.1763,
182.6844, 186.7938

32.1897, 35.0725,
34.2165

209.0549,
224.1223, 230.1240

21.6626, 23.7187,
22.7813

253.4450,
271.3955, 279.6849

13.7244, 15.1251,
14.2283

303.7122,
324.8883, 335.8948

8.0097, 8.9072,
8.1391

360.2218,

4.1530, 4.6807,

384.9853, 399.1725

4.0950

423.3390,
452.0708, 469.9363

■ 1.7891, 2.0612,
1.6776

■ 0.5111, 0.6427,
0.3453

■ 82.9570, 89.5387,
90.0012

■ 82.9570, 89.5387,
90.0012

■ 75.6998, 86.1768,
72.6423

■ 90.5802, 93.0852,
107.8009

■ 69.1813, 83.1393,
57.7490

■ 91.9441, 93.7883,
107.8647

■ 63.3769, 80.4185,
45.2109

■ 58.2580, 78.0024,
34.9069

■ 53.7934, 75.8777,
26.7053

■ 49.9493, 74.0302,
20.4604

■ 46.6879, 72.4441,
16.0079

■ 43.9662, 71.1013,
13.1567

■ 41.7325, 69.9803,
11.6720

Harmonies

Analogous

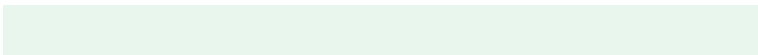
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5727, 89.5387, 88.0529



82.9570, 89.5387, 90.0012



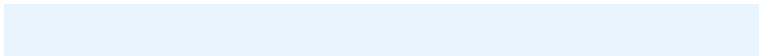
81.9263, 89.5387, 93.9748

Triad

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



82.9570, 89.5387, 90.0012



83.8666, 89.5387, 107.0018



88.5580, 89.5387, 95.9761

Complementary

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



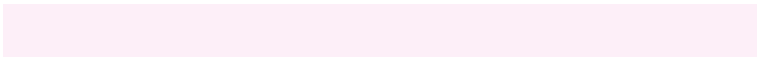
82.9570, 89.5387, 90.0012



81.2204, 83.2235, 98.1738

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.



88.3625, 89.5387, 101.0968



82.9570, 89.5387, 90.0012



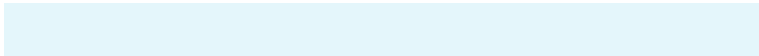
85.6372, 89.5387, 107.5835

Square

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



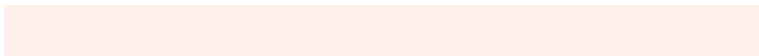
82.9570, 89.5387, 90.0012



82.4463, 89.5387, 103.8257



87.2874, 89.5387, 105.3882



87.8179, 89.5387, 91.4221

Rectangle

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



82.9570, 89.5387, 90.0012



81.7011, 89.5387, 97.2985



87.2874, 89.5387, 105.3882



88.5998, 89.5387, 97.6866

Sweetspot

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



82.9595, 89.5426, 90.0031



94.1744, 99.5957, 106.7302



83.2340, 87.0320, 89.5041



20.1664, 21.3219, 22.8675



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.



82.9595, 89.5426, 90.0031



89.9240, 97.6308, 96.3097



80.9672, 88.5155, 89.9099



17.5232, 19.0882, 18.6303



22.1088, 37.5103, 6.0750



2.0617, 3.3579, 0.5395

Inverse Universe

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



81.2204, 83.2235, 98.1738



87.6042, 89.2021, 107.2082



83.2799, 84.2853, 98.2701



17.0233, 17.2716, 20.9791



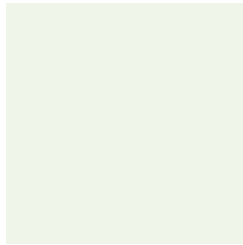
13.4042, 5.8844, 46.9674



1.2966, 0.5783, 4.1335

Previews

White Background



This preview shows how the XYZ color 82.9570, 89.5387, 90.0012 looks on a white background.

Color Contrast Check

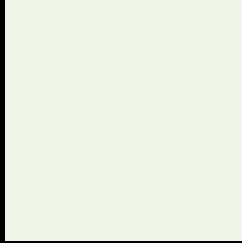
Large Text (above 18pt) WCAG AA × Fail

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 82.9570, 89.5387, 90.0012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

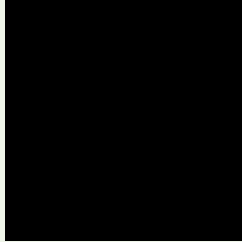
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

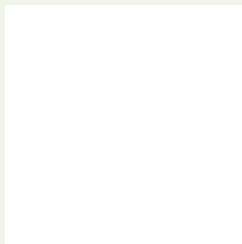
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.9570, 89.5387, 90.0012

Background



This preview shows how black text looks on a background with the XYZ color 82.9570, 89.5387, 90.0012.



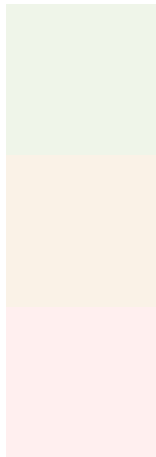
This preview shows how white text looks on a background with the XYZ color 82.9570, 89.5387,

90.012.

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

82.9570, 89.5387, 90.0012

Protanopia

85.6003, 89.5978, 88.3838

Deuteranopia

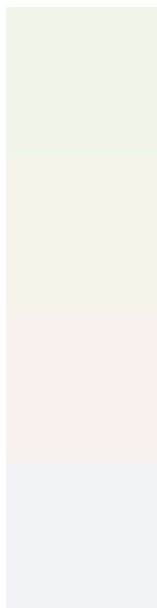
87.6865, 89.2250, 94.2619



Tritanopia

86.7643, 89.7789, 107.3638

Trichromacy



Original Color

82.9570, 89.5387, 90.0012

Protanomaly

84.6221, 89.5202, 89.1630

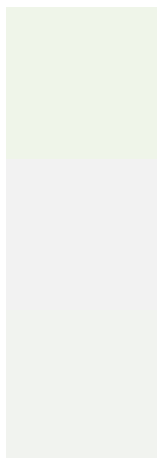
Deuteranomaly

85.8083, 89.1648, 92.8087

Tritanomaly

85.4570, 89.6938, 100.8043

Monochromacy



Original Color

82.9570, 89.5387, 90.0012

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9062, 89.0340, 94.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9570, 89.5387, 90.0012 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(239, 245, 233) looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 233)  
}
```

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(239, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 233) }
```

Border

The CSS property to change the border of an element to XYZ 82.9570, 89.5387, 90.0012 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(239, 245, 233) }
```


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

```
.border{ border-color:rgb(239, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9570, 89.5387, 90.0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 233) }
```

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

```
.background{ background-color: rgb(239,  
245, 233) }
```

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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