

Converting Colors

XYZ(83.1310, 89.7298, 90.6231)

Have a look what the booklet for
XYZ(83.1310, 89.7298, 90.6231)
contains.

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Color

**XYZ(83.1003, 89.5961,
90.7558)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF5EA
RGB	239, 245, 234
RGB Percent	94%, 96%, 92%
CMY	0.0627, 0.0392, 0.0823
CMYK	0.02, 0.00, 0.04, 0.04
HSL	93°, 36%, 94%
HSV	93°, 4%, 96%
XYZ	83.1003, 89.5961, 90.7558
YIQ	241.9520, -0.0450, -4.6930

Conversions

Conversions Part 2

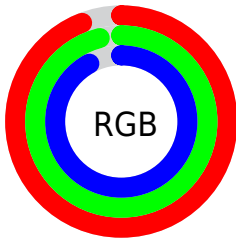
Format	Color
R _Y B	234, 245, 240
Decimal	15726058
CIE Lab	95.83, -3.91, 4.59
CIE LCh	96, 6.031, 130.476
Yxy	89.5961, 0.3154, 0.3401
Android (android.graphics.Color)	4293916138 (0xFFEFF5EA)
YUV	241.9520, -3.9203, -2.5889
Hunter-Lab	94.6552, -8.9368, 9.4112

Details

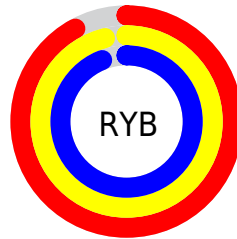
The XYZ color **83.1003, 89.5961, 90.7558** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.8429, 83.9659, 98.2844**, and the grayscale version is **84.3924, 88.7874, 96.6895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7619, 49.6768, 49.2962** is the 20% darker color. If you saturate the color by 10%, you get **75.4739, 86.0461, 73.2781**, and if you desaturate by 10%, it is **90.9833, 93.2930, 107.8198**.

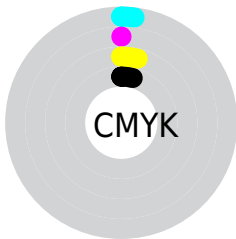
Distribution



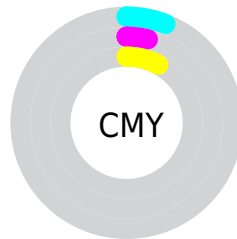
- Red (94%)
- Green (96%)
- Blue (92%)



- Red (92%)
- Yellow (96%)
- Blue (94%)



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



- Cyan (6%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1003, 89.5961, 90.7558 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 83.1003, 89.5961, 90.7558 by changing the saturation by 10% instead.

83.1003, 89.5961,
90.7558

83.1003, 89.5961,
90.7558

493.8996,
526.7161, 551.1198

62.5901, 67.6457,
68.0304

136.6437,
146.7772, 150.3325

45.7671, 49.6096,
49.4556

170.4077,
182.7768, 188.0208

32.2659, 35.1033,
34.6129

209.3202,
224.2281, 231.5340

21.7212, 23.7424,
23.0837

253.7467,
271.5157, 281.2904

13.7676, 15.1427,
14.4494

304.0526,
325.0239, 337.7087

8.0399, 8.9196,
8.2916

360.6031,

4.1725, 4.6888,

385.1371, 401.2073

4.1917

423.7636,
452.2397, 472.2048

■ 1.8002, 2.0658,
1.7311

■ 0.5178, 0.6453,
0.3819

■ 83.1003, 89.5961,
90.7558

■ 83.1003, 89.5961,
90.7558

■ 75.4739, 86.0461,
73.2781

■ 90.9833, 93.2930,
107.8198

■ 68.6386, 82.8474,
58.2728

■ 91.9442, 93.7884,
107.8647

■ 62.5684, 79.9917,
45.6297

■ 57.2327, 77.4657,
35.2282

■ 52.5987, 75.2555,
26.9369

■ 48.6305, 73.3457,
20.6105

■ 45.2884, 71.7195,
16.0857

■ 42.5275, 70.3579,
13.1725

■ 40.2941, 69.2381,
11.6384

Harmonies

Analogous

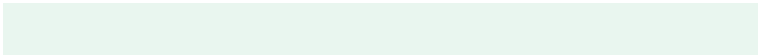
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5785, 89.5961, 88.8272



83.1003, 89.5961, 90.7558



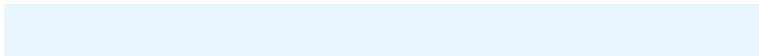
82.1811, 89.5961, 94.5274

Triad

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



83.1003, 89.5961, 90.7558



84.0946, 89.5961, 106.4398



88.3404, 89.5961, 95.8999

Complementary

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



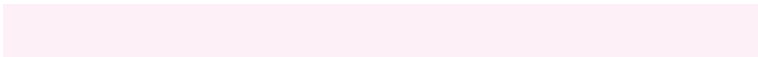
83.1003, 89.5961, 90.7558



81.8429, 83.9659, 98.2844

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.



88.2067, 89.5961, 100.6464



83.1003, 89.5961, 90.7558



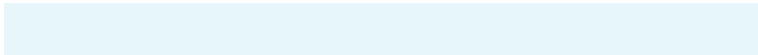
85.7409, 89.5961, 106.8364

Square

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



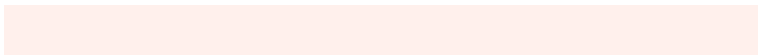
83.1003, 89.5961, 90.7558



82.7500, 89.5961, 103.6188



87.2502, 89.5961, 104.6854



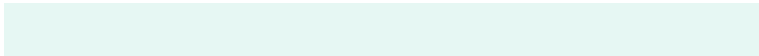
87.6131, 89.5961, 91.7324

Rectangle

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



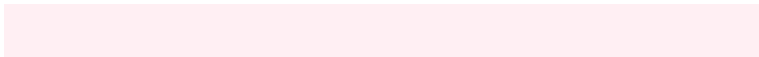
83.1003, 89.5961, 90.7558



82.0019, 89.5961, 97.6310



87.2502, 89.5961, 104.6854



88.3949, 89.5961, 97.4789

Sweetspot

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



83.1028, 89.6000, 90.7578



94.1320, 99.5739, 106.7282



83.6318, 87.5982, 90.3435



20.1578, 21.3174, 22.8671



0.0000, 0.0000, 0.0000



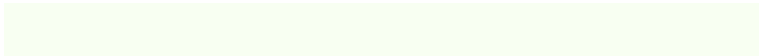
20.3446, 21.4041, 23.3091

Same Dimension

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



83.1028, 89.6000, 90.7578



90.5512, 97.9101, 98.3274



81.4907, 88.7628, 90.9577



17.6311, 19.1357, 19.0009



21.2984, 37.0926, 6.0370



1.9888, 3.3203, 0.5361

Inverse Universe

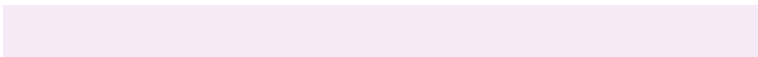
The Inverse Universe completely reimagines the original color for something new.



81.8429, 83.9659, 98.2844



89.0174, 91.0510, 107.4906



83.5079, 84.8307, 98.0702



17.2913, 17.6157, 21.0314



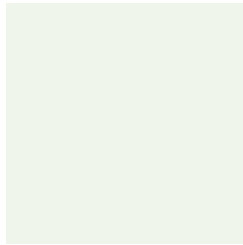
14.3102, 6.3515, 47.0098



1.3761, 0.6193, 4.1372

Previews

White Background



This preview shows how the XYZ color 83.1003, 89.5961, 90.7558 looks on a white background.

Color Contrast Check

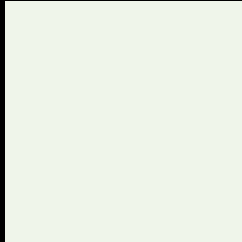
Large Text (above 18pt) WCAG AA × Fail

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 83.1003, 89.5961, 90.7558 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

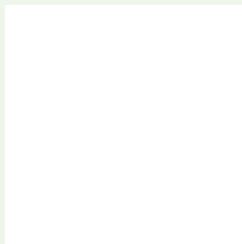
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1003, 89.5961, 90.7558

Background



This preview shows how black text looks on a background with the XYZ color 83.1003, 89.5961, 90.7558.



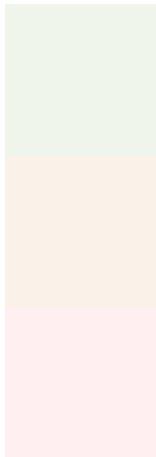
This preview shows how white text looks on a background with the XYZ color 83.1003, 89.5961,

90.7558.

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

83.1003, 89.5961, 90.7558

Protanopia

85.7420, 89.6545, 89.1299

Deuteranopia

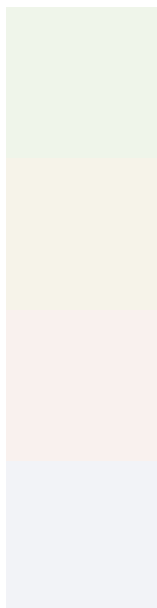
87.8347, 89.2843, 95.0423



Tritanopia

86.7643, 89.7789, 107.3638

Trichromacy



Original Color

83.1003, 89.5961, 90.7558

Protanomaly

84.7646, 89.5772, 89.9134

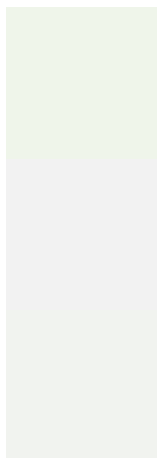
Deuteranomaly

85.9548, 89.2234, 93.5804

Tritanomaly

85.4570, 89.6938, 100.8043

Monochromacy



Original Color

83.1003, 89.5961, 90.7558

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 83.1003, 89.5961, 90.7558 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, 234) looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 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(239, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 234) }
```

Border

The CSS property to change the border of an element to XYZ 83.1003, 89.5961, 90.7558 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, 234) }
```


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

```
.border{ border-color:rgb(239, 245, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1003, 89.5961, 90.7558 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, 234) }
```

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

```
.background{ background-color: rgb(239,  
245, 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](#).

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