

Converting Colors

XYZ(83.0761, 89.4296, 93.6359)

Have a look what the booklet for
XYZ(83.0761, 89.4296, 93.6359)
contains.

XYZ(83.0101, 89.4824, 93.7856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.0101, 89.4824,
93.7856)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF5EE
RGB	237, 245, 238
RGB Percent	93%, 96%, 93%
CMY	0.0706, 0.0392, 0.0667
CMYK	0.03, 0.00, 0.03, 0.04
HSL	127°, 29%, 95%
HSV	127°, 3%, 96%
XYZ	83.0101, 89.4824, 93.7856
YIQ	241.8100, -2.5210, -3.8730

Conversions

Conversions Part 2

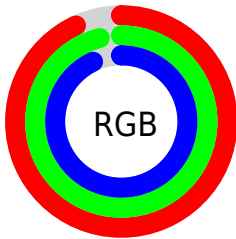
Format	Color
R _Y B	237, 244, 245
Decimal	15594990
CIE Lab	95.78, -3.88, 2.43
CIE LCh	96, 4.584, 147.922
Yxy	89.4824, 0.3117, 0.3360
Android (android.graphics.Color)	4293785070 (0xFFEDF5EE)
YUV	241.8100, -1.8783, -4.2184
Hunter-Lab	94.5951, -8.9023, 7.4340

Details

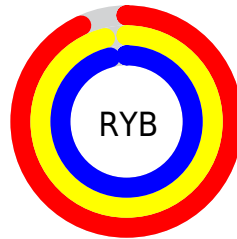
The XYZ color **83.0101, 89.4824, 93.7856** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.2729, 86.5149, 97.8499**, and the grayscale version is **84.2659, 88.6543, 96.5445**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6971, 49.5963, 51.4205** is the 20% darker color. If you saturate the color by 10%, you get **72.4177, 84.3669, 77.8151**, and if you desaturate by 10%, it is **91.9441, 93.7883, 107.8647**.

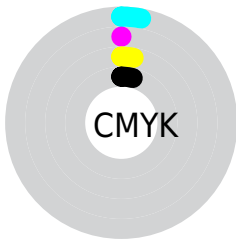
Distribution



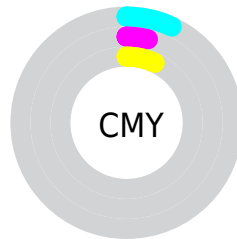
- Red (93%)
- Green (96%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0101, 89.4824, 93.7856 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 83.0101, 89.4824, 93.7856 by changing the saturation by 10% instead.

83.0101, 89.4824,
93.7856

83.0101, 89.4824,
93.7856

493.6036,
526.3457, 561.1546

62.5154, 67.5514,
70.5333

136.5181,
146.6192, 154.5669

45.7065, 49.5329,
51.4820

170.2620,
182.5938, 192.9330

32.2179, 35.0424,
36.2129

209.1532,
224.0185, 237.1742

21.6843, 23.6955,
24.3077

253.5568,
271.2775, 287.7090

13.7404, 15.1079,
15.3477

303.8384,
324.7554, 344.9558

8.0209, 8.8952,
8.9145

360.3631,

4.1602, 4.6729,

384.8364, 409.3334

4.5894

423.4964,
451.9051, 481.2601

■ 1.7932, 2.0566,
1.9539

■ 0.5135, 0.6401,
0.5267

■ 83.0101, 89.4824,
93.7856

■ 83.0101, 89.4824,
93.7856

■ 72.4177, 84.3669,
77.8151

■ 91.9441, 93.7883,
107.8647

■ 63.2575, 79.9454,
63.7995

■ 55.4701, 76.1913,
51.6654

■ 48.9890, 73.0722,
41.3328

■ 43.7421, 70.5526,
32.7157

■ 39.6504, 68.5938,
25.7212

■ 36.6255, 67.1525,
20.2476

■ 34.5662, 66.1787,
16.1816

■ 33.3509, 65.6127,
13.3940

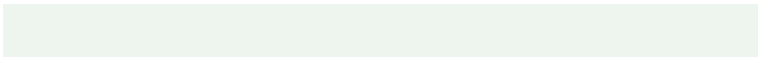
Harmonies

Analogous

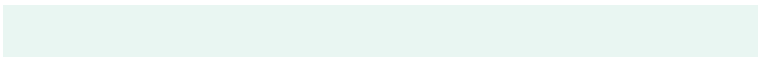
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9187, 89.4824, 91.4168



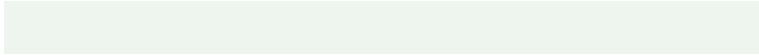
83.0101, 89.4824, 93.7856



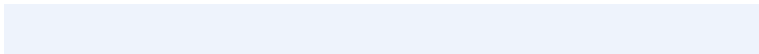
82.6475, 89.4824, 97.1792

Triad

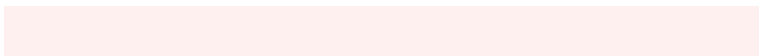
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0101, 89.4824, 93.7856



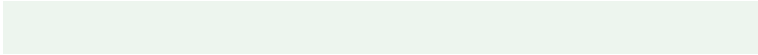
84.9623, 89.4824, 104.5448



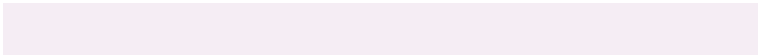
87.2132, 89.4824, 94.2119

Complementary

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



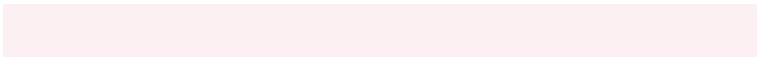
83.0101, 89.4824, 93.7856



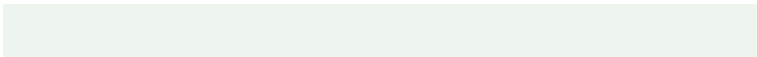
84.2729, 86.5149, 97.8499

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.



87.4993, 89.4824, 97.6834



83.0101, 89.4824, 93.7856



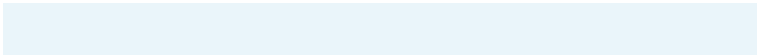
86.1921, 89.4824, 103.7037

Square

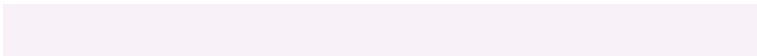
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



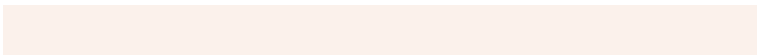
83.0101, 89.4824, 93.7856



83.7677, 89.4824, 103.4411



87.1237, 89.4824, 101.1699



86.3460, 89.4824, 91.6586

Rectangle

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



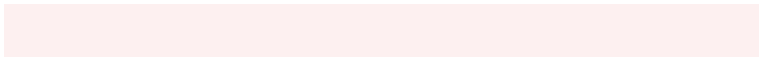
83.0101, 89.4824, 93.7856



82.7616, 89.4824, 99.5860



87.1237, 89.4824, 101.1699



87.3809, 89.4824, 95.3075

Sweetspot

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



83.0126, 89.4862, 93.7876



93.7608, 99.3767, 106.9752



85.2736, 90.6688, 93.1285



20.0823, 21.2773, 22.9174



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

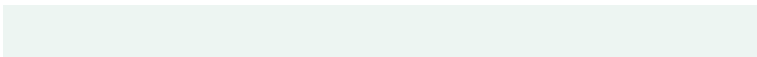
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0126, 89.4862, 93.7876



89.9924, 97.5549, 101.3355



83.5974, 89.7201, 96.8669



17.4620, 19.0351, 19.5972



17.7478, 35.2439, 6.6915



1.5862, 3.1081, 0.7267

Inverse Universe

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



84.2729, 86.5149, 97.8499



91.6774, 93.5821, 106.7670



83.6814, 86.2783, 94.7354



17.8508, 18.1184, 20.8505



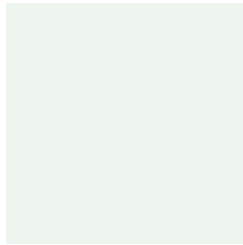
26.8874, 13.0984, 35.7112



2.3876, 1.1610, 3.2676

Previews

White Background



This preview shows how the XYZ color 83.0101, 89.4824, 93.7856 looks on a white background.

Color Contrast Check

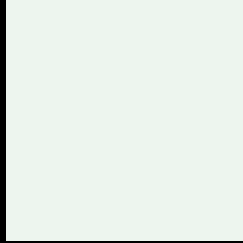
Large Text (above 18pt) WCAG AA × Fail

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 83.0101, 89.4824, 93.7856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

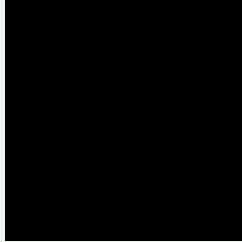
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

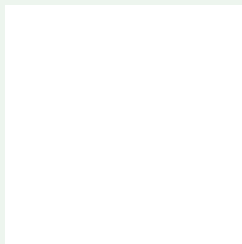
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0101, 89.4824, 93.7856

Background



This preview shows how black text looks on a background with the XYZ color 83.0101, 89.4824, 93.7856.



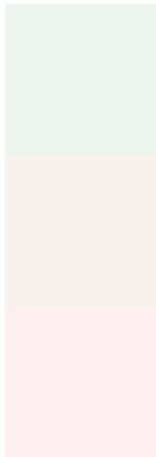
This preview shows how white text looks on a background with the XYZ color 83.0101, 89.4824,

93.7856.

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

83.0101, 89.4824, 93.7856

Protanopia

85.6039, 89.5168, 92.1236

Deuteranopia

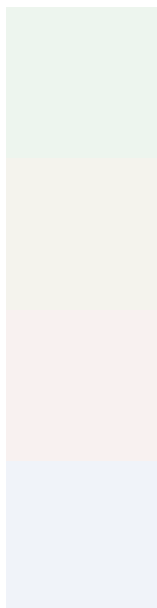
87.9837, 89.3439, 95.8269



Tritanopia

86.0778, 89.4250, 107.3317

Trichromacy



Original Color

83.0101, 89.4824, 93.7856

Protanomaly

84.6449, 89.4487, 92.9248

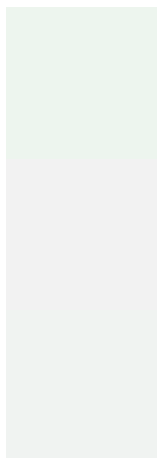
Deuteranomaly

85.8949, 89.1583, 95.1202

Tritanomaly

85.0847, 89.4660, 102.4068

Monochromacy



Original Color

83.0101, 89.4824, 93.7856

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.8630, 88.9773, 95.9734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0101, 89.4824, 93.7856 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(237, 245, 238) looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 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(237, 245, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 238) }
```

Border

The CSS property to change the border of an element to XYZ 83.0101, 89.4824, 93.7856 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(237, 245, 238) }
```


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

```
.border{ border-color:rgb(237, 245, 238) }
```

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

Here you see how a box with a 4 pixel rgb(237, 245, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 238);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0101, 89.4824, 93.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 238) }
```

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

```
.background{ background-color: rgb(237,  
245, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor