

Converting Colors

XYZ(83.2053, 90.0089, 93.6282)

Have a look what the booklet for
XYZ(83.2053, 90.0089, 93.6282)
contains.

XYZ(83.3134, 90.0891, 93.8868)	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(83.3134, 90.0891,
93.8868)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF6EE
RGB	237, 246, 238
RGB Percent	93%, 96%, 93%
CMY	0.0706, 0.0353, 0.0667
CMYK	0.04, 0.00, 0.03, 0.04
HSL	127°, 33%, 95%
HSV	127°, 4%, 96%
XYZ	83.3134, 90.0891, 93.8868
YIQ	242.3970, -2.7960, -4.3960

Conversions

Conversions Part 2

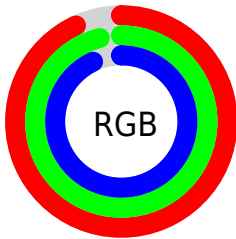
Format	Color
R _Y B	237, 245, 246
Decimal	15595246
CIE Lab	96.03, -4.39, 2.80
CIE LCh	96, 5.206, 147.459
Yxy	90.0891, 0.3117, 0.3370
Android (android.graphics.Color)	4293785326 (0xFFEDF6EE)
YUV	242.3970, -2.1677, -4.7332
Hunter-Lab	94.9153, -9.4205, 7.7931

Details

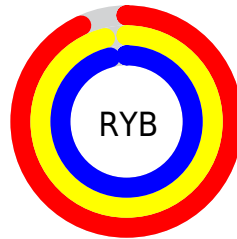
The XYZ color **83.3134, 90.0891, 93.8868** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.7749, 86.7560, 98.6680**, and the grayscale version is **84.7329, 89.1457, 97.0796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9130, 50.0281, 51.4925** is the 20% darker color. If you saturate the color by 10%, you get **72.6367, 84.9366, 77.6229**, and if you desaturate by 10%, it is **92.2475, 94.3950, 107.9658**.

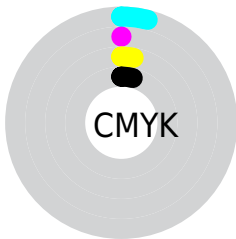
Distribution



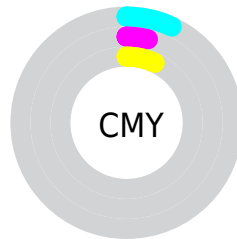
- Red (93%)
- Green (96%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3134, 90.0891, 93.8868 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 83.3134, 90.0891, 93.8868 by changing the saturation by 10% instead.

83.3134, 90.0891,
93.8868

83.3134, 90.0891,
93.8868

494.5986,
528.3206, 561.4881

62.7665, 68.0545,
70.6170

136.9406,
147.4622, 154.7081

45.9103, 49.9421,
51.5498

170.7515,
183.5694, 193.0967

32.3794, 35.3674,
36.2666

209.7146,
225.1364, 237.3620

21.8084, 23.9460,
24.3489

254.1951,
272.5475, 287.9226

13.8320, 15.2936,
15.3780

304.5584,
326.1871, 345.1969

8.0848, 9.0257,
8.9356

361.1698,

4.2015, 4.7579,

386.4395, 409.6036

4.6029

424.3948,
453.6892, 481.5611

■ 1.8168, 2.1059,
1.9616

■ 0.5277, 0.6680,
0.5315

■ 83.3134, 90.0891,
93.8868

■ 83.3134, 90.0891,
93.8868

■ 72.6367, 84.9366,
77.6229

■ 92.2475, 94.3950,
107.9658

■ 63.4150, 80.4881,
63.3896

■ 55.5875, 76.7166,
51.1091

■ 49.0861, 73.5887,
40.6962

■ 43.8369, 71.0684,
32.0592

■ 39.7588, 69.1159,
25.0992

■ 36.7610, 67.6867,
19.7070

■ 34.7392, 66.7297,
15.7609

■ 33.5680, 66.1831,
13.1211

Harmonies

Analogous

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



84.3562, 90.0891, 91.2206



83.3134, 90.0891, 93.8868



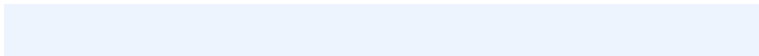
82.8899, 90.0891, 97.7405

Triad

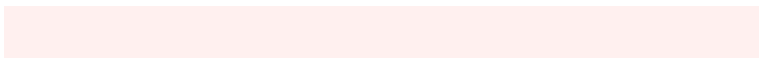
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3134, 90.0891, 93.8868



85.5043, 90.0891, 106.2309



88.1081, 90.0891, 94.4795

Complementary

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



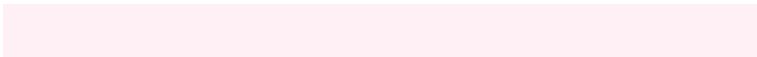
83.3134, 90.0891, 93.8868



84.7749, 86.7560, 98.6680

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.



88.4237, 90.0891, 98.4437



83.3134, 90.0891, 93.8868



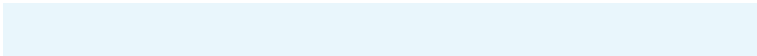
86.9104, 90.0891, 105.2995

Square

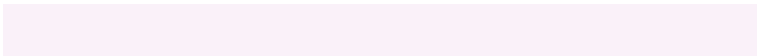
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



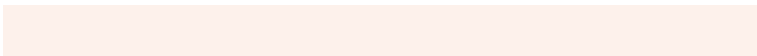
83.3134, 90.0891, 93.8868



84.1459, 90.0891, 104.9313



87.9830, 90.0891, 102.4203



87.1254, 90.0891, 91.5560

Rectangle

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



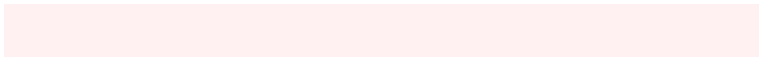
83.3134, 90.0891, 93.8868



83.0121, 90.0891, 100.4908



87.9830, 90.0891, 102.4203



88.2962, 90.0891, 95.7312

Sweetspot

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



83.3159, 90.0930, 93.8888



93.7552, 99.3744, 106.9457



85.9367, 91.4610, 93.2462



20.0811, 21.2768, 22.9114



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

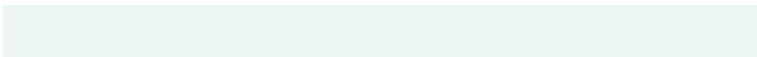
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3159, 90.0930, 93.8888



89.9707, 97.5462, 101.2214



83.9708, 90.3549, 97.3374



17.4570, 19.0331, 19.5709



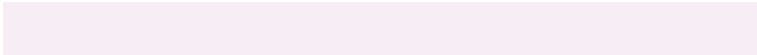
17.7229, 35.2340, 6.5608



1.5817, 3.1063, 0.7033

Inverse Universe

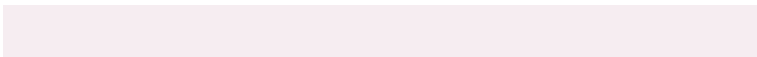
The Inverse Universe completely reimagines the original color for something new.



84.7749, 86.7560, 98.6680



91.7000, 93.5911, 106.8859



84.1106, 86.4903, 95.1698



17.8560, 18.1205, 20.8780



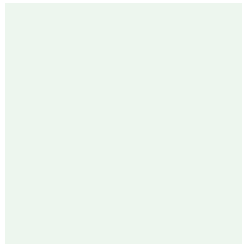
27.1205, 13.1916, 36.9383



2.4058, 1.1683, 3.3634

Previews

White Background



This preview shows how the XYZ color 83.3134, 90.0891, 93.8868 looks on a white background.

Color Contrast Check

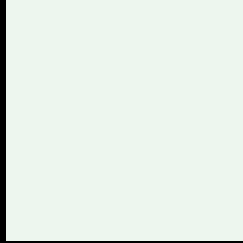
Large Text (above 18pt) WCAG AA × Fail

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 83.3134, 90.0891, 93.8868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

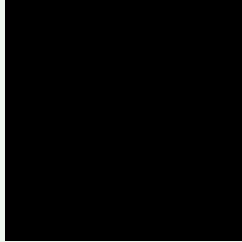
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

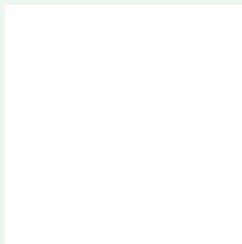
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3134, 90.0891, 93.8868

Background



This preview shows how black text looks on a background with the XYZ color 83.3134, 90.0891, 93.8868.



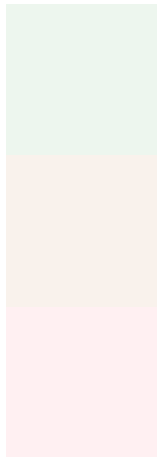
This preview shows how white text looks on a background with the XYZ color 83.3134, 90.0891,

93.8868.

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

83.3134, 90.0891, 93.8868

Protanopia

85.9594, 89.7001, 92.1402

Deuteranopia

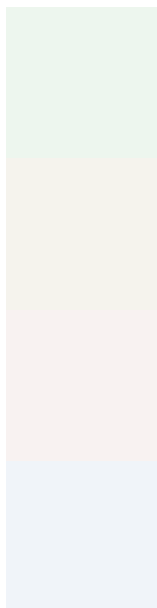
88.4271, 89.9910, 96.7138



Tritanopia

86.7185, 90.1984, 107.4472

Trichromacy



Original Color

83.3134, 90.0891, 93.8868

Protanomaly

84.9928, 89.6281, 92.9411

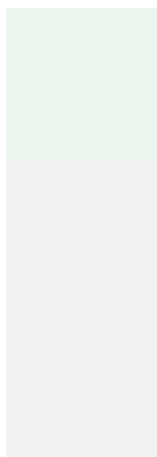
Deuteranomaly

86.3407, 89.8116, 96.0038

Tritanomaly

85.3847, 90.0662, 102.5068

Monochromacy



Original Color

83.3134, 90.0891, 93.8868

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 83.3134, 90.0891, 93.8868 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, 246, 238) looks like.

```
.text, #text, p{  
    color:rgb(237, 246, 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, 246, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 246, 238) }
```

Border

The CSS property to change the border of an element to XYZ 83.3134, 90.0891, 93.8868 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, 246, 238) }
```


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

```
.border{ border-color:rgb(237, 246, 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, 246, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 246, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 246, 238);  
box-shadow:4px 4px 4px 4px rgb(237, 246,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3134, 90.0891, 93.8868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 246, 238) }
```

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

```
.background{ background-color: rgb(237,  
246, 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