

Converting Colors

XYZ(83.8436, 91.8117, 90.3932)

Have a look what the booklet for
XYZ(83.8436, 91.8117, 90.3932)
contains.

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Color

**XYZ(83.8436, 91.8117,
90.3932)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF9E9
RGB	238, 249, 233
RGB Percent	93%, 98%, 91%
CMY	0.0667, 0.0235, 0.0863
CMYK	0.04, 0.00, 0.06, 0.02
HSL	101°, 57%, 95%
HSV	101°, 6%, 98%
XYZ	83.8436, 91.8117, 90.3932
YIQ	243.8870, -1.4200, -7.3080

Conversions

Conversions Part 2

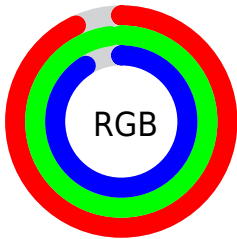
Format	Color
R _Y B	233, 249, 244
Decimal	15661545
CIE Lab	96.74, -6.43, 6.41
CIE LCh	97, 9.086, 135.087
Yxy	91.8117, 0.3151, 0.3451
Android (android.graphics.Color)	4293851625 (0xFFEEF9E9)
YUV	243.8870, -5.3673, -5.1629
Hunter-Lab	95.8184, -11.4901, 11.1399

Details

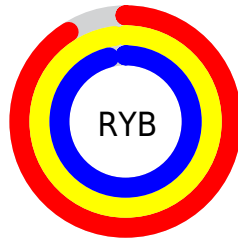
The XYZ color **83.8436, 91.8117, 90.3932** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5495, 84.3530, 101.5055**, and the grayscale version is **85.9433, 90.4191, 98.4664**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2972, 51.2593, 49.0489** is the 20% darker color. If you saturate the color by 10%, you get **75.0574, 87.6673, 72.7054**, and if you desaturate by 10%, it is **93.1675, 96.2349, 108.2725**.

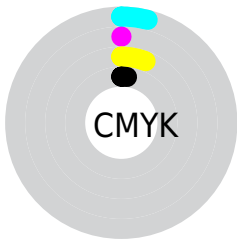
Distribution



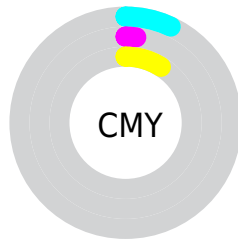
- Red (93%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8436, 91.8117, 90.3932 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 83.8436, 91.8117, 90.3932 by changing the saturation by 10% instead.

83.8436, 91.8117,
90.3932

83.8436, 91.8117,
90.3932

496.3352,
533.9068, 549.9122

63.2056, 69.4842,
67.7313

137.6788,
149.8524, 149.8247

46.2668, 51.1062,
49.2138

171.6066,
186.3344, 187.4314

32.6619, 36.2931,
34.4223

210.6952,
228.3034, 230.8567

22.0256, 24.6607,
22.9382

255.3097,
276.1438, 280.5193

13.9924, 15.8244,
14.3430

305.8156,
330.2399, 336.8375

8.1971, 9.4000,
8.2182

362.5783,

4.2742, 5.0030,

390.9762, 400.2301

4.1451

425.9630,
458.7370, 471.1154

■ 1.8584, 2.2490,
1.7053

■ 0.5525, 0.7465,
0.3643

■ 83.8436, 91.8117,
90.3932

■ 83.8436, 91.8117,
90.3932

■ 75.0574, 87.6673,
72.7054

■ 93.1675, 96.2349,
108.2725

■ 67.2814, 83.9855,
57.5741

■ 60.4798, 80.7530,
44.8826

■ 54.6119, 77.9517,
34.5031

■ 49.6338, 75.5618,
26.2959

■ 45.4977, 73.5623,
20.1062

■ 42.1509, 71.9298,
15.7589

■ 39.5335, 70.6377,
13.0489

■ 37.5742, 69.6550,
11.7199

Harmonies

Analogous

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



85.9964, 91.8117, 87.0341



83.8436, 91.8117, 90.3932



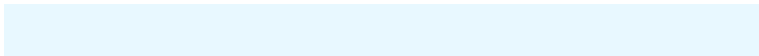
82.6193, 91.8117, 96.4031

Triad

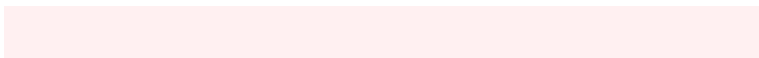
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8436, 91.8117, 90.3932



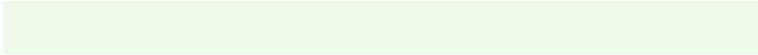
86.0107, 91.8117, 114.1343



92.0761, 91.8117, 96.3627

Complementary

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



83.8436, 91.8117, 90.3932



83.5495, 84.3530, 101.5055

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.



92.0801, 91.8117, 103.6184



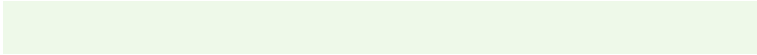
83.8436, 91.8117, 90.3932



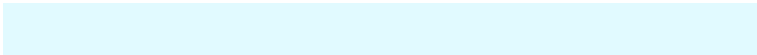
88.5445, 91.8117, 114.1223

Square

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



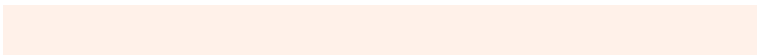
83.8436, 91.8117, 90.3932



83.8539, 91.8117, 110.2270



90.7767, 91.8117, 110.1947



90.7659, 91.8117, 90.3649

Rectangle

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



83.8436, 91.8117, 90.3932



82.4791, 91.8117, 101.2156



90.7767, 91.8117, 110.1947



92.2311, 91.8117, 98.7294

Sweetspot

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



83.8461, 91.8156, 90.3952



92.9612, 99.0168, 104.5729



86.1092, 90.6881, 90.0583



19.9195, 21.2040, 22.4282



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.



83.8461, 91.8156, 90.3952



86.9641, 96.1911, 92.2778



82.6133, 91.1313, 92.5440



17.5275, 19.5722, 18.3164



19.9339, 37.1946, 6.1287



1.9503, 3.4985, 0.5725

Inverse Universe

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



83.5495, 84.3530, 101.5055



86.5780, 86.4791, 106.7367



84.8540, 85.0779, 99.1959



17.4346, 17.2367, 21.7934



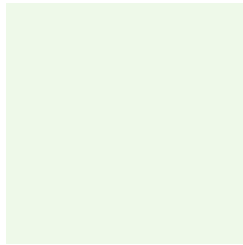
18.3201, 8.3871, 48.6268



1.8058, 0.8330, 4.5088

Previews

White Background



This preview shows how the XYZ color 83.8436, 91.8117, 90.3932 looks on a white background.

Color Contrast Check

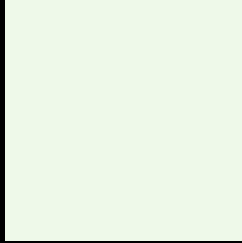
Large Text (above 18pt) WCAG AA × Fail

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 83.8436, 91.8117, 90.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

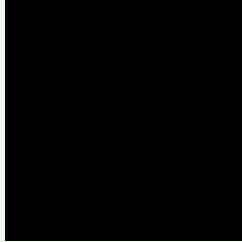
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

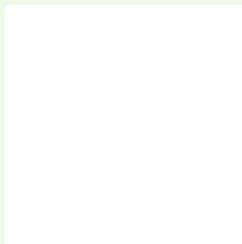
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.8436, 91.8117, 90.3932

Background



This preview shows how black text looks on a background with the XYZ color 83.8436, 91.8117, 90.3932.



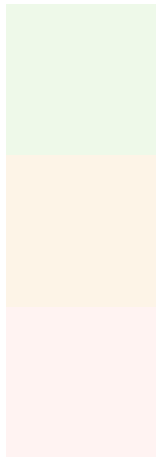
This preview shows how white text looks on a background with the XYZ color 83.8436, 91.8117,

90.3932.

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

83.8436, 91.8117, 90.3932

Protanopia

87.2825, 91.3535, 88.6340

Deuteranopia

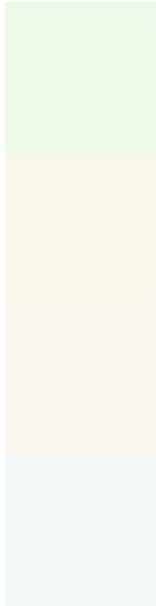
89.3176, 91.7720, 97.0106



Tritanopia

88.0106, 91.7579, 107.6801

Trichromacy



Original Color

83.8436, 91.8117, 90.3932

Protanomaly

86.2327, 91.6942, 89.4977

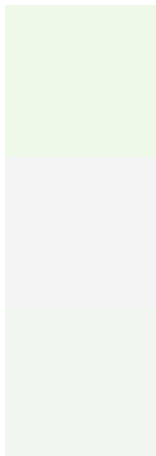
Deuteranomaly

87.2993, 91.6765, 94.7555

Tritanomaly

86.3622, 91.5042, 101.1060

Monochromacy



Original Color

83.8436, 91.8117, 90.3932

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.3019, 91.0801, 95.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8436, 91.8117, 90.3932 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(238, 249, 233)` looks like.

```
.text, #text, p{  
    color:rgb(238, 249, 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(238, 249, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 249, 233) }
```

Border

The CSS property to change the border of an element to XYZ 83.8436, 91.8117, 90.3932 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(238, 249, 233) }
```


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

```
.border{ border-color:rgb(238, 249, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 249, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 249, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 249, 233);  
box-shadow:4px 4px 4px 4px rgb(238, 249,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8436, 91.8117, 90.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 249, 233) }
```

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

```
.background{ background-color: rgb(238,  
249, 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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