

Converting Colors

XYZ(82.9346, 90.7088, 90.7015)

Have a look what the booklet for
XYZ(82.9346, 90.7088, 90.7015)
contains.

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Color

**XYZ(83.0108, 90.9082,
91.0138)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF8EA
RGB	236, 248, 234
RGB Percent	93%, 97%, 92%
CMY	0.0745, 0.0274, 0.0823
CMYK	0.05, 0.00, 0.06, 0.03
HSL	111°, 50%, 95%
HSV	111°, 6%, 97%
XYZ	83.0108, 90.9082, 91.0138
YIQ	242.8160, -2.6580, -6.8980

Conversions

Conversions Part 2

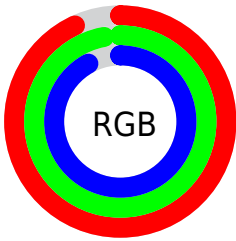
Format	Color
R_{YB}	234, 248, 246
Decimal	15530218
CIE _{Lab}	96.37, -6.43, 5.35
CIE _{LCh}	96, 8.361, 140.251
Yxy	90.9082, 0.3133, 0.3431
Android (android.graphics.Color)	4293720298 (0xFFECEF8EA)
YUV	242.8160, -4.3463, -5.9776
Hunter-Lab	95.3458, -11.4479, 10.1459

Details

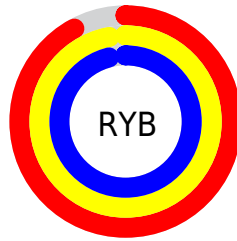
The XYZ color **83.0108, 90.9082, 91.0138** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.3756, 85.2182, 100.8133**, and the grayscale version is **85.0823, 89.5132, 97.4799**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7079, 50.6169, 49.4805** is the 20% darker color. If you saturate the color by 10%, you get **73.0516, 86.1599, 73.2326**, and if you desaturate by 10%, it is **92.8592, 95.6183, 108.1697**.

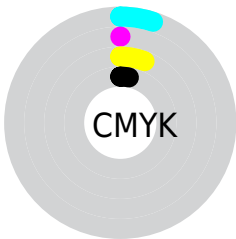
Distribution



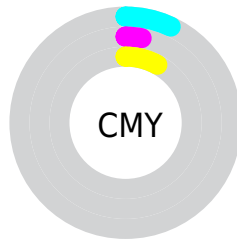
- Red (93%)
- Green (97%)
- Blue (92%)



- Red (92%)
- Yellow (97%)
- Blue (96%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0108, 90.9082, 91.0138 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 83.0108, 90.9082, 91.0138 by changing the saturation by 10% instead.


 83.0108, 90.9082,
91.0138

 83.0108, 90.9082,
91.0138

493.6059,
530.9808, 551.9782

 62.5160, 68.7341,
68.2433


136.5190,
148.5993, 150.6936

 45.7069, 50.4952,
49.6278


170.2632,
184.8851, 188.4400

 32.2183, 35.8070,
34.7486


209.1545,
226.6436, 232.0156

 21.6846, 24.2852,
23.1873

253.5583,
274.2593, 281.8387

 13.7407, 15.5453,
14.5253

303.8400,
328.1164, 338.3280

 8.0210, 9.2030,
8.3440

360.3649,

 4.1603, 4.8738,

388.5994, 401.9020

4.2249

423.4985,
456.0928, 472.9792

■ 1.7932, 2.1734,
1.7495

■ 0.5136, 0.7054,
0.3944

■ 83.0108, 90.9082,
91.0138

■ 83.0108, 90.9082,
91.0138

■ 73.0516, 86.1599,
73.2326

■ 92.8592, 95.6183,
108.1697

■ 64.3788, 82.0170,
58.0057

■ 56.9421, 78.4586,
45.2174

■ 50.6844, 75.4580,
34.7412

■ 45.5446, 72.9868,
26.4390

■ 41.4558, 71.0137,
20.1578

■ 38.3435, 69.5042,
15.7250

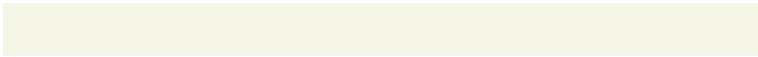
■ 36.1236, 68.4191,
12.9393

■ 34.6962, 67.7125,
11.5516

Harmonies

Analogous

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



84.8660, 90.9082, 87.4415



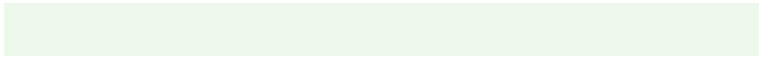
83.0108, 90.9082, 91.0138



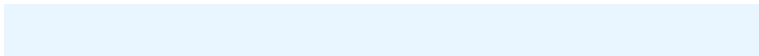
82.0703, 90.9082, 96.8296

Triad

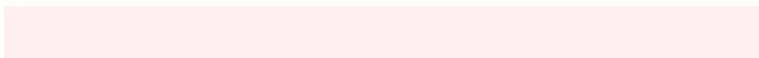
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0108, 90.9082, 91.0138



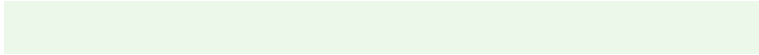
85.6501, 90.9082, 112.1576



90.6717, 90.9082, 94.6140

Complementary

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



83.0108, 90.9082, 91.0138



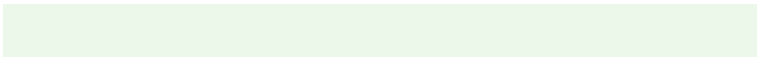
84.3756, 85.2182, 100.8133

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.



90.8908, 90.9082, 101.1693



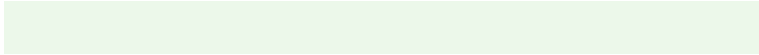
83.0108, 90.9082, 91.0138



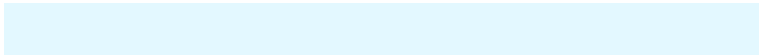
87.9635, 90.9082, 111.4991

Square

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



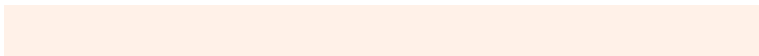
83.0108, 90.9082, 91.0138



83.5759, 90.9082, 109.1665



89.8915, 90.9082, 107.4055



89.2982, 90.9082, 89.4545

Rectangle

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



83.0108, 90.9082, 91.0138



82.0769, 90.9082, 101.2816



89.8915, 90.9082, 107.4055



90.8837, 90.9082, 96.7205

Sweetspot

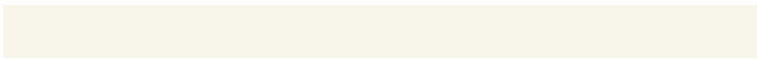
The Sweet Spot groups the original color and five complimentary colors.



83.0133, 90.9121, 91.0158



92.6495, 98.8561, 104.5583



86.4919, 91.7520, 90.9946



19.8560, 21.1713, 22.4252



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

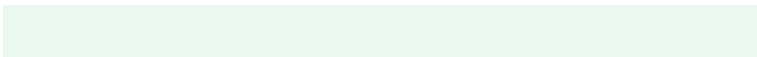
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0133, 90.9121, 91.0158



86.9011, 96.1158, 94.2078



83.0671, 90.8573, 94.7455



17.6724, 19.6305, 19.0634



18.5837, 36.4986, 6.0655



1.7888, 3.4153, 0.5649

Inverse Universe

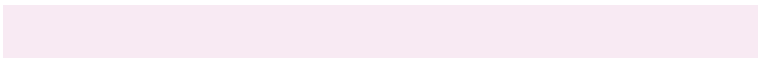
The Inverse Universe completely reimagines the original color for something new.



84.3756, 85.2182, 100.8133



88.6860, 88.6550, 107.0456



84.3302, 85.2815, 96.8930



18.0673, 17.9800, 21.9035



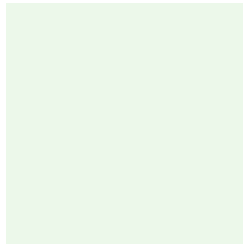
24.0028, 11.3166, 48.8928



2.2877, 1.0814, 4.5313

Previews

White Background



This preview shows how the XYZ color 83.0108, 90.9082, 91.0138 looks on a white background.

Color Contrast Check

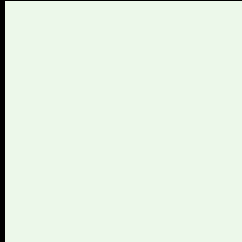
Large Text (above 18pt) WCAG AA × Fail

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 83.0108, 90.9082, 91.0138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

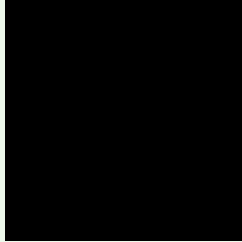
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

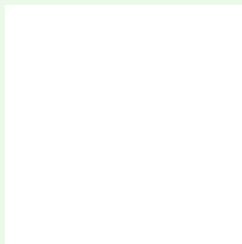
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0108, 90.9082, 91.0138

Background



This preview shows how black text looks on a background with the XYZ color 83.0108, 90.9082, 91.0138.



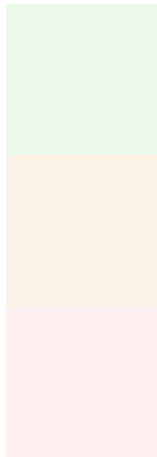
This preview shows how white text looks on a background with the XYZ color 83.0108, 90.9082,

91.0 38.

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

83.0108, 90.9082, 91.0138

Protanopia

86.6193, 90.5662, 88.5170

Deuteranopia

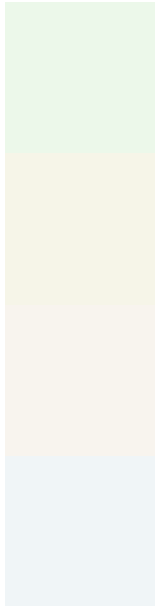
88.5725, 90.5215, 96.0232



Tritanopia

87.0186, 90.7986, 107.5473

Trichromacy



Original Color

83.0108, 90.9082, 91.0138

Protanomaly

85.2239, 90.7238, 89.3636

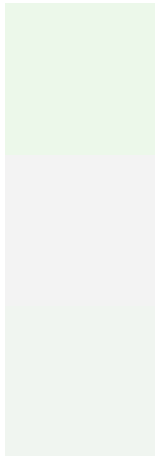
Deuteranomaly

86.4947, 90.8309, 93.8623

Tritanomaly

85.3761, 90.5455, 100.9729

Monochromacy



Original Color

83.0108, 90.9082, 91.0138

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.3158, 90.1214, 95.3893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0108, 90.9082, 91.0138 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(236, 248, 234) looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 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(236, 248, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 234) }
```

Border

The CSS property to change the border of an element to XYZ 83.0108, 90.9082, 91.0138 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(236, 248, 234) }
```


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

```
.border{ border-color:rgb(236, 248, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 248, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 248, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 248, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 248,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0108, 90.9082, 91.0138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 234) }
```

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

```
.background{ background-color: rgb(236,  
248, 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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