

Converting Colors

XYZ(83.3013, 91.5464, 91.7409)

Have a look what the booklet for
XYZ(83.3013, 91.5464, 91.7409)
contains.

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Color

**XYZ(83.4631, 91.5824,
91.8755)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF9EB
RGB	236, 249, 235
RGB Percent	93%, 98%, 92%
CMY	0.0745, 0.0235, 0.0784
CMYK	0.05, 0.00, 0.06, 0.02
HSL	116°, 54%, 95%
HSV	116°, 6%, 98%
XYZ	83.4631, 91.5824, 91.8755
YIQ	243.5170, -3.2540, -7.1100

Conversions

Conversions Part 2

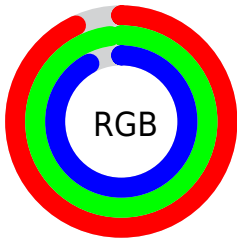
Format	Color
R _Y B	235, 249, 248
Decimal	15530475
CIE Lab	96.65, -6.76, 5.23
CIE LCh	97, 8.545, 142.250
Yxy	91.5824, 0.3127, 0.3431
Android (android.graphics.Color)	4293720555 (0xFFE9CF9EB)
YUV	243.5170, -4.1989, -6.5924
Hunter-Lab	95.6987, -11.7949, 10.0677

Details

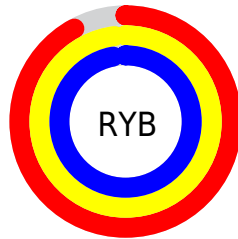
The XYZ color **83.4631, 91.5824, 91.8755** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5223, 86.2153, 101.7610**, and the grayscale version is **85.6398, 90.0997, 98.1186**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0290, 51.0979, 50.0847** is the 20% darker color. If you saturate the color by 10%, you get **72.9281, 86.5410, 73.8993**, and if you desaturate by 10%, it is **93.1675, 96.2350, 108.2725**.

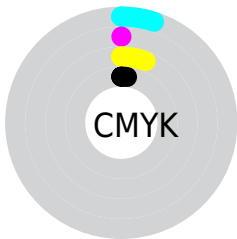
Distribution



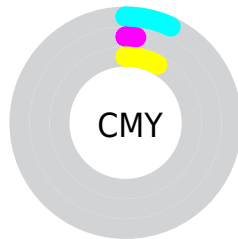
- Red (93%)
- Green (98%)
- Blue (92%)



- Red (92%)
- Yellow (98%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (7%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4631, 91.5824, 91.8755 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 83.4631, 91.5824, 91.8755 by changing the saturation by 10% instead.


 83.4631, 91.5824,
91.8755

 83.4631, 91.5824,
91.8755


495.0892,
533.1650, 554.8398

 62.8905, 69.2938,
68.9548


137.1490,
149.5345, 151.8990

 46.0109, 50.9510,
50.2033

170.9931,
185.9668, 189.8389

 32.4591, 36.1696,
35.2027


209.9916,
227.8824, 233.6222

 21.8696, 24.5652,
23.5342

254.5100,
275.6659, 283.6676

 13.8772, 15.7534,
14.7795

304.9136,
329.7014, 340.3935

 8.1164, 9.3499,
8.5199

361.5677,

 4.2220, 4.9701,

390.3735, 404.2185

4.3369

424.8378,
458.0666, 475.5611

■ 1.8285, 2.2297,
1.8119

■ 0.5347, 0.7361,
0.4358

■ 83.4631, 91.5824,
91.8755

■ 83.4631, 91.5824,
91.8755

■ 72.9281, 86.5410,
73.8993

■ 93.1675, 96.2350,
108.2725

■ 63.8295, 82.1818,
58.5086

■ 56.1074, 78.4789,
45.5863

■ 49.6946, 75.4005,
35.0040

■ 44.5183, 72.9122,
26.6218

■ 40.4986, 70.9761,
20.2848

■ 37.5462, 69.5499,
15.8179

■ 35.5587, 68.5853,
13.0170

■ 34.4132, 68.0242,
11.6297

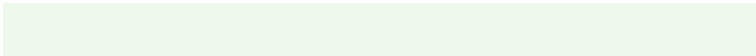
Harmonies

Analogous

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



85.3178, 91.5824, 88.0260



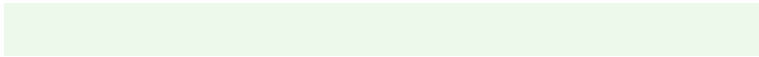
83.4631, 91.5824, 91.8755



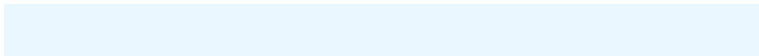
82.5718, 91.5824, 97.9535

Triad

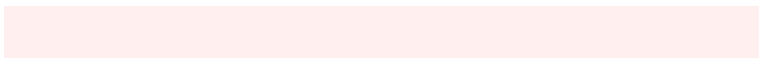
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4631, 91.5824, 91.8755



86.4281, 91.5824, 113.3350



91.3692, 91.5824, 94.8168

Complementary

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



83.4631, 91.5824, 91.8755



85.5223, 86.2153, 101.7610

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.



91.6796, 91.5824, 101.5029



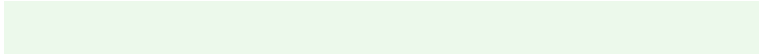
83.4631, 91.5824, 91.8755



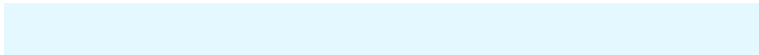
88.7980, 91.5824, 112.4012

Square

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



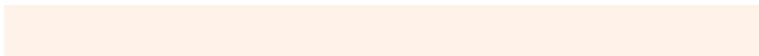
83.4631, 91.5824, 91.8755



84.2632, 91.5824, 110.4901



90.7307, 91.5824, 107.9938



89.8901, 91.5824, 89.6692

Rectangle

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



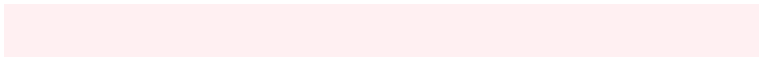
83.4631, 91.5824, 91.8755



82.6324, 91.5824, 102.5363



90.7307, 91.5824, 107.9938



91.6147, 91.5824, 96.9511

Sweetspot

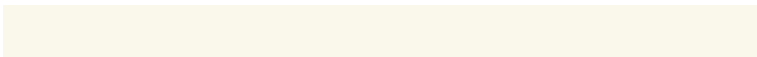
The Sweet Spot groups the original color and five complimentary colors.



83.4657, 91.5863, 91.8775



92.5186, 98.7886, 104.5522



87.5825, 93.1748, 91.9671



19.8293, 21.1575, 22.4240



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

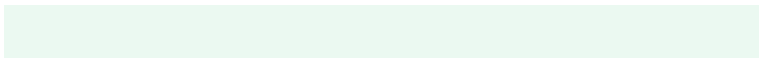
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4657, 91.5863, 91.8775



86.4704, 95.8938, 94.1876



83.9919, 91.7586, 96.3757



17.5775, 19.5816, 19.0590



18.3061, 36.3554, 6.0525



1.7341, 3.3871, 0.5624

Inverse Universe

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



85.5223, 86.2153, 101.7610



89.1505, 88.8945, 107.0674



84.9814, 86.0399, 97.0577



18.1704, 18.0331, 21.9083



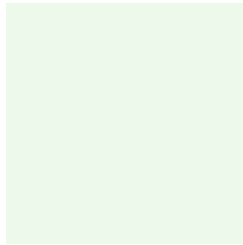
26.8844, 12.8021, 49.0276



2.5255, 1.2040, 4.5425

Previews

White Background



This preview shows how the XYZ color 83.4631, 91.5824, 91.8755 looks on a white background.

Color Contrast Check

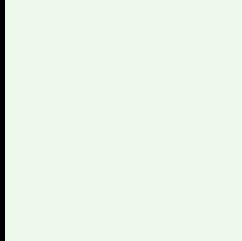
Large Text (above 18pt) WCAG AA × Fail

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 83.4631, 91.5824, 91.8755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

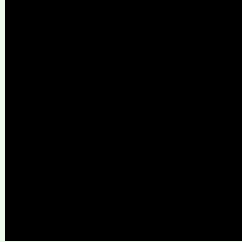
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

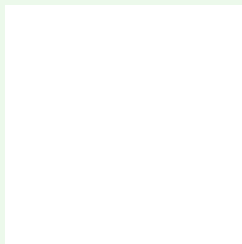
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4631, 91.5824, 91.8755

Background



This preview shows how black text looks on a background with the XYZ color 83.4631, 91.5824, 91.8755.



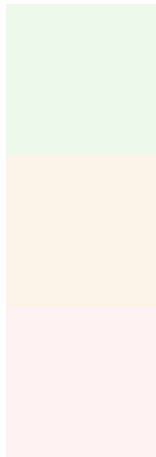
This preview shows how white text looks on a background with the XYZ color 83.4631, 91.5824,

91.8755.

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

83.4631, 91.5824, 91.8755

Protanopia

87.0611, 91.2230, 89.3631

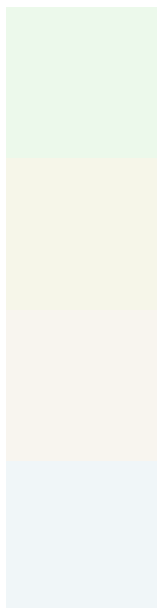
Deuteranopia

89.0191, 91.1751, 96.9111

Tritanopia

87.6646, 91.5795, 107.6639

Trichromacy



Original Color

83.4631, 91.5824, 91.8755

Protanomaly

85.6698, 91.3876, 90.2151

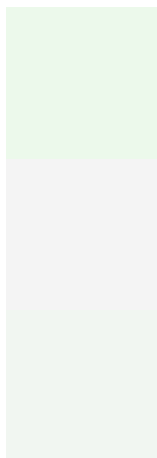
Deuteranomaly

86.9438, 91.4933, 94.7389

Tritanomaly

85.8342, 91.2141, 101.8891

Monochromacy



Original Color

83.4631, 91.5824, 91.8755

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.1086, 90.9632, 96.2910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4631, 91.5824, 91.8755 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, 249, 235)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 235)  
}
```

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, 249, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 235) }
```

Border

The CSS property to change the border of an element to XYZ 83.4631, 91.5824, 91.8755 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, 249, 235) }
```


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

```
.border{ border-color:rgb(236, 249, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 249, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 249, 235);  
box-shadow:4px 4px 4px 4px rgb(236, 249,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4631, 91.5824, 91.8755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 235) }
```

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

```
.background{ background-color: rgb(236,  
249, 235) }
```

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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