

Converting Colors

XYZ(83.4474, 93.3394, 95.8518)

Have a look what the booklet for
XYZ(83.4474, 93.3394, 95.8518)
contains.

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Color

**XYZ(83.4866, 93.3648,
96.0591)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FDF0
RGB	230, 253, 240
RGB Percent	90%, 99%, 94%
CMY	0.0980, 0.0078, 0.0588
CMYK	0.09, 0.00, 0.05, 0.01
HSL	146°, 85%, 95%
HSV	146°, 9%, 99%
XYZ	83.4866, 93.3648, 96.0591
YIQ	244.6410, -9.5350, -8.9190

Conversions

Conversions Part 2

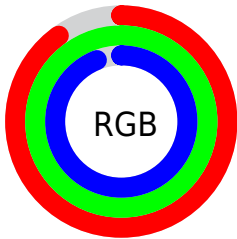
Format	Color
R _Y B	230, 246, 253
Decimal	15138288
CIE Lab	97.38, -9.84, 3.66
CIE LCh	97, 10.498, 159.615
Yxy	93.3648, 0.3059, 0.3421
Android (android.graphics.Color)	4293328368 (0xFFE6FDF0)
YUV	244.6410, -2.2880, -12.8402
Hunter-Lab	96.6255, -14.8665, 8.6953

Details

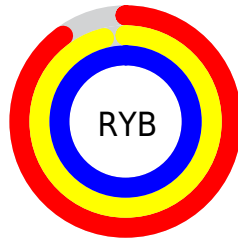
The XYZ color **83.4866, 93.3648, 96.0591** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9859, 83.9498, 96.5231**, and the grayscale version is **86.5281, 91.0343, 99.1364**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8472, 51.9392, 52.9563** is the 20% darker color. If you saturate the color by 10%, you get **73.9078, 88.6653, 84.9545**, and if you desaturate by 10%, it is **94.3052, 98.6893, 108.0999**.

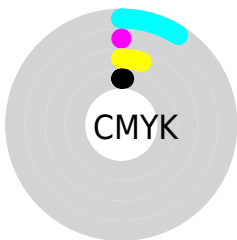
Distribution



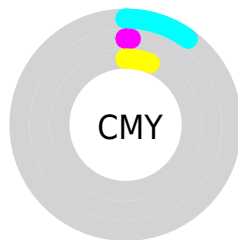
- Red (90%)
- Green (99%)
- Blue (94%)



- Red (90%)
- Yellow (96%)
- Blue (99%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (10%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4866, 93.3648, 96.0591 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 83.4866, 93.3648, 96.0591 by changing the saturation by 10% instead.


 83.4866, 93.3648,
96.0591

 83.4866, 93.3648,
96.0591


495.1662,
538.9167, 568.6208

 62.9099, 70.7748,
72.4150


137.1818,
152.0036, 157.7351

 46.0267, 52.1584,
53.0089


171.0310,
188.8211, 196.6042

 32.4716, 37.1313,
37.4221


210.0351,
231.1499, 241.3853

 21.8793, 25.3092,
25.2361

254.5594,
279.3743, 292.4970

 13.8843, 16.3076,
16.0324

304.9693,
333.8788, 350.3579

 8.1214, 9.7421,
9.3925

361.6302,

 4.2252, 5.2283,

395.0478, 415.3864

4.8978

424.9074,
463.2656, 488.0012

■ 1.8303, 2.3818,
2.1297

■ 0.5358, 0.8165,
0.6334

■ 83.4866, 93.3648,
96.0591

■ 83.4866, 93.3648,
96.0591

■ 73.9078, 88.6653,
84.9545

■ 94.3052, 98.6893,
108.0999

■ 65.6180, 84.6087,
74.7624

■ 94.4170, 98.7341,
108.6890

■ 58.5616, 81.1695,
65.4616

■ 52.6757, 78.3158,
57.0273

■ 47.8918, 76.0128,
49.4341

■ 44.1337, 74.2216,
42.6547

■ 41.3152, 72.8983,
36.6607

■ 39.3342, 71.9910,
31.4212

■ 38.0407, 71.4228,
26.9019

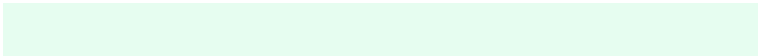
Harmonies

Analogous

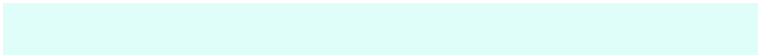
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1434, 93.3648, 89.5554



83.4866, 93.3648, 96.0591



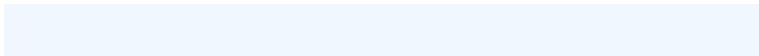
83.2201, 93.3648, 104.4189

Triad

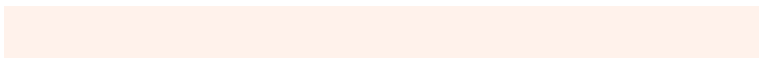
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4866, 93.3648, 96.0591



89.6992, 93.3648, 118.6780



93.2195, 93.3648, 91.5679

Complementary

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



83.4866, 93.3648, 96.0591



84.9859, 83.9498, 96.5231

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.



94.4996, 93.3648, 98.9470



83.4866, 93.3648, 96.0591



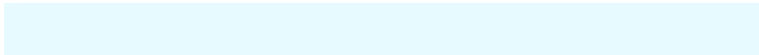
92.4374, 93.3648, 114.8055

Square

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



83.4866, 93.3648, 96.0591



86.7632, 93.3648, 117.7981



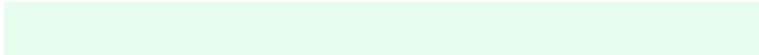
94.2102, 93.3648, 107.4712



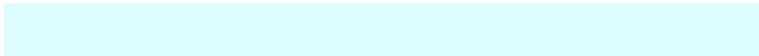
90.7475, 93.3648, 87.0647

Rectangle

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



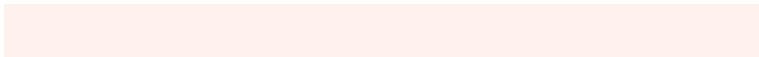
83.4866, 93.3648, 96.0591



83.8606, 93.3648, 109.9694



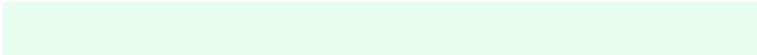
94.2102, 93.3648, 107.4712



93.8060, 93.3648, 93.7770

Sweetspot

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



83.4892, 93.3688, 96.0612



91.6028, 98.3024, 105.1452



86.3853, 95.0287, 88.6537



19.4142, 20.9460, 22.2938



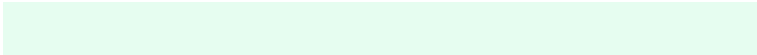
0.0000, 0.0000, 0.0000



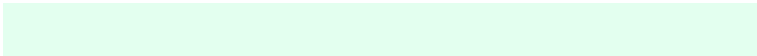
20.3446, 21.4041, 23.3091

Same Dimension

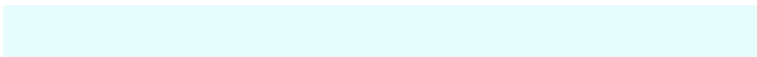
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4892, 93.3688, 96.0612



83.0240, 94.0833, 95.5568



85.2479, 94.0722, 105.3221



18.0995, 20.2993, 20.8268



20.2521, 37.9974, 14.4786



2.0255, 3.7211, 1.6922

Inverse Universe

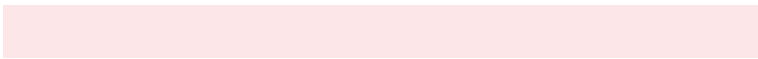
The Inverse Universe completely reimagines the original color for something new.



84.9859, 83.9498, 96.5231



84.8438, 82.6302, 96.1182



83.3069, 83.2782, 87.6820



18.4395, 18.1591, 20.9317



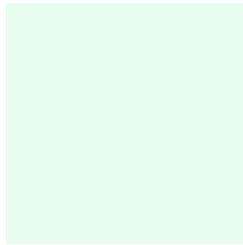
24.2615, 12.1939, 15.2933



2.4171, 1.2092, 1.7780

Previews

White Background



This preview shows how the XYZ color 83.4866, 93.3648, 96.0591 looks on a white background.

Color Contrast Check

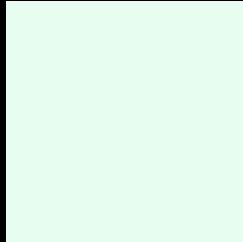
Large Text (above 18pt) WCAG AA × Fail

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 83.4866, 93.3648, 96.0591 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

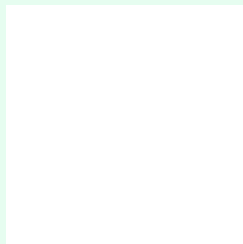
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4866, 93.3648, 96.0591

Background



This preview shows how black text looks on a background with the XYZ color 83.4866, 93.3648, 96.0591.



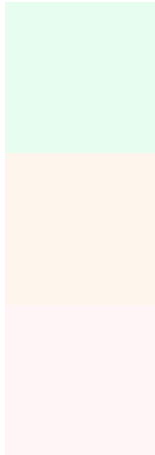
This preview shows how white text looks on a background with the XYZ color 83.4866, 93.3648,

96.0591.

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

83.4866, 93.3648, 96.0591

Protanopia

88.9691, 93.0385, 92.6259

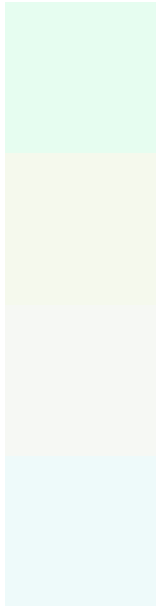
Deuteranopia

90.5270, 93.2186, 100.4105

Tritanopia

88.5795, 93.4095, 107.9689

Trichromacy



Original Color

83.4866, 93.3648, 96.0591

Protanomaly

86.8179, 93.2783, 93.5495

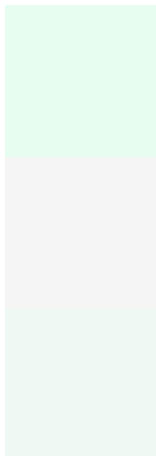
Deuteranomaly

87.9026, 93.2593, 98.9558

Tritanomaly

86.7008, 93.4505, 103.9106

Monochromacy



Original Color

83.4866, 93.3648, 96.0591

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.6802, 92.1311, 98.0613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4866, 93.3648, 96.0591 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(230, 253, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 253, 240)  
}
```

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(230, 253, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 253, 240) }
```

Border

The CSS property to change the border of an element to XYZ 83.4866, 93.3648, 96.0591 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(230, 253, 240) }
```


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

```
.border{ border-color:rgb(230, 253, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 253, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 253, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 253, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 253,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4866, 93.3648, 96.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 253, 240) }
```

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

```
.background{ background-color: rgb(230,  
253, 240) }
```

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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