

Converting Colors

XYZ(83.4144, 94.3354, 93.2736)

Have a look what the booklet for
XYZ(83.4144, 94.3354, 93.2736)
contains.

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Color

**XYZ(83.5334, 94.3991,
93.1751)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFEC
RGB	230, 255, 236
RGB Percent	90%, 100%, 93%
CMY	0.0980, 0.0000, 0.0745
CMYK	0.10, 0.00, 0.07, 0.00
HSL	134°, 100%, 95%
HSV	134°, 10%, 100%
XYZ	83.5334, 94.3991, 93.1751
YIQ	245.3590, -8.8010, -11.2090

Conversions

Conversions Part 2

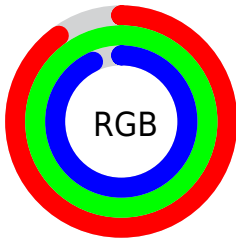
Format	Color
R _Y B	230, 250, 255
Decimal	15138796
CIE Lab	97.79, -11.55, 6.32
CIE LCh	98, 13.163, 151.330
Yxy	94.3991, 0.3081, 0.3482
Android (android.graphics.Color)	4293328876 (0xFFE6FFEC)
YUV	245.3590, -4.6140, -13.4698
Hunter-Lab	97.1592, -16.5618, 11.1527

Details

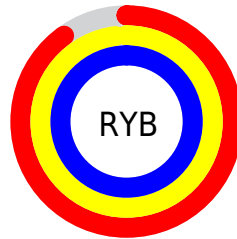
The XYZ color **83.5334, 94.3991, 93.1751** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.6360, 84.6940, 101.4035**, and the grayscale version is **87.1206, 91.6577, 99.8152**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8879, 52.6821, 50.9301** is the 20% darker color. If you saturate the color by 10%, you get **73.2749, 89.4185, 78.7862**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

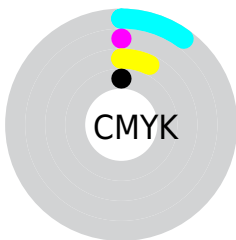
Distribution



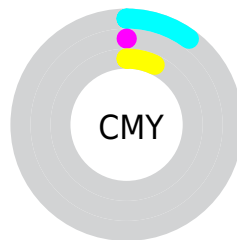
- Red (90%)
- Green (100%)
- Blue (93%)



- Red (90%)
- Yellow (98%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5334, 94.3991, 93.1751 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 83.5334, 94.3991, 93.1751 by changing the saturation by 10% instead.

83.5334, 94.3991,
93.1751

83.5334, 94.3991,
93.1751

495.3196,
542.2395, 559.1405

62.9487, 71.6349,
70.0286

137.2469,
153.4342, 153.7148

46.0582, 52.8605,
51.0729

171.1064,
190.4739, 191.9451

32.4966, 37.6914,
35.8895

210.1216,
233.0409, 236.0403

21.8984, 25.7433,
24.0598

254.6578,
281.5196, 286.4191

13.8985, 16.6317,
15.1654

305.0803,
336.2945, 343.5000

8.1313, 9.9722,
8.7876

361.7545,

4.2316, 5.3806,

397.7498, 407.7015

4.5080

425.0458,
466.2700, 479.4422

■ 1.8340, 2.4722,
1.9080

■ 0.5380, 0.8627,
0.4978

■ 83.5334, 94.3991,
93.1751

■ 83.5334, 94.3991,
93.1751

■ 73.2749, 89.4185,
78.7862

95.0500, 100.0000,
108.9000

■ 64.4567, 85.1463,
66.0075

■ 57.0140, 81.5501,
54.7840

■ 50.8757, 78.5947,
45.0561

■ 45.9645, 76.2414,
36.7603

■ 42.1943, 74.4473,
29.8285

■ 39.4678, 73.1638,
24.1869

■ 37.6701, 72.3332,
19.7548

■ 36.6246, 71.8665,
16.4399

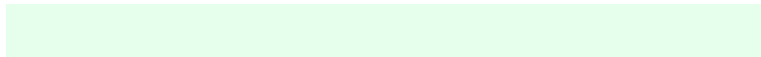
Harmonies

Analogous

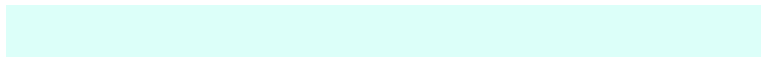
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0195, 94.3991, 86.1062



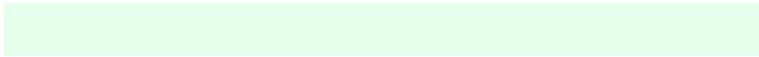
83.5334, 94.3991, 93.1751



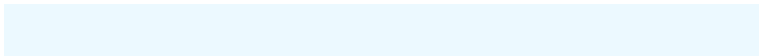
82.6937, 94.3991, 103.2656

Triad

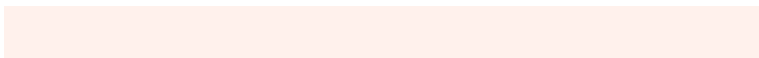
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5334, 94.3991, 93.1751



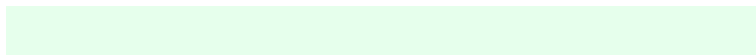
89.8913, 94.3991, 124.8858



96.0365, 94.3991, 92.3981

Complementary

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



83.5334, 94.3991, 93.1751



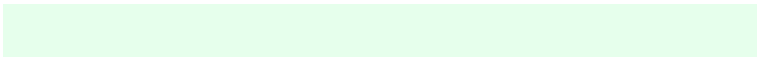
86.6360, 84.6940, 101.4035

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.



97.1409, 94.3991, 102.3050



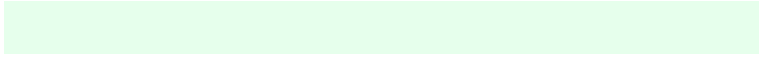
83.5334, 94.3991, 93.1751



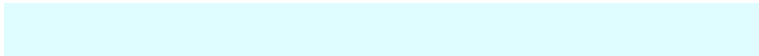
93.5323, 94.3991, 121.4885

Square

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



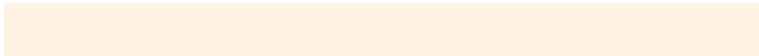
83.5334, 94.3991, 93.1751



86.3022, 94.3991, 122.0262



96.2121, 94.3991, 113.0330



93.2340, 94.3991, 85.6801

Rectangle

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



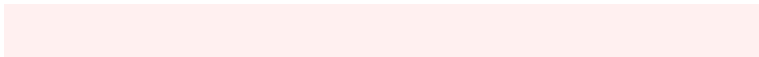
83.5334, 94.3991, 93.1751



83.1613, 94.3991, 110.4950



96.2121, 94.3991, 113.0330



96.6221, 94.3991, 95.4414

Sweetspot

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



83.5342, 94.3995, 93.1766



91.3693, 98.2090, 103.9155



89.1696, 97.4037, 88.9650



19.3513, 20.9208, 21.9626



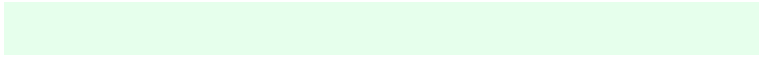
0.0000, 0.0000, 0.0000



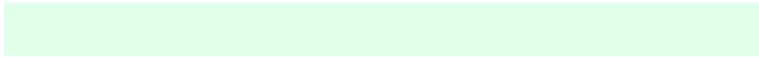
20.3446, 21.4041, 23.3091

Same Dimension

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



83.5342, 94.3995, 93.1766



81.1539, 93.2430, 89.8746



85.3887, 95.1413, 102.9423



17.9503, 20.2396, 20.0411



19.1767, 37.5673, 8.8156



1.9077, 3.6740, 1.0719

Inverse Universe

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



86.6360, 84.6940, 101.4035



84.8931, 81.5425, 99.7915



84.7748, 83.9495, 91.6022



18.5953, 18.2214, 21.7519



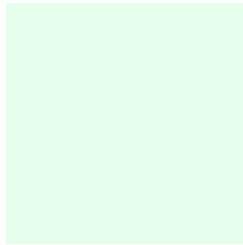
26.6862, 13.1638, 28.0615



2.6409, 1.2987, 2.9565

Previews

White Background



This preview shows how the XYZ color 83.5334, 94.3991, 93.1751 looks on a white background.

Color Contrast Check

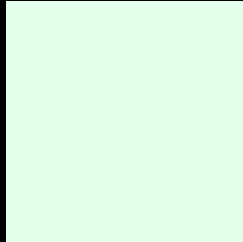
Large Text (above 18pt) WCAG AA × Fail

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 83.5334, 94.3991, 93.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

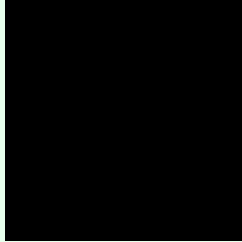
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

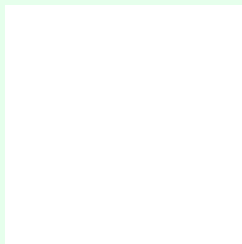
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5334, 94.3991, 93.1751

Background



This preview shows how black text looks on a background with the XYZ color 83.5334, 94.3991, 93.1751.



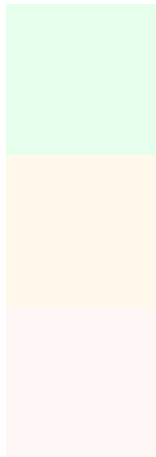
This preview shows how white text looks on a background with the XYZ color 83.5334, 94.3991,

93.1751.

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

83.5334, 94.3991, 93.1751

Protanopia

89.8028, 94.3930, 92.0838

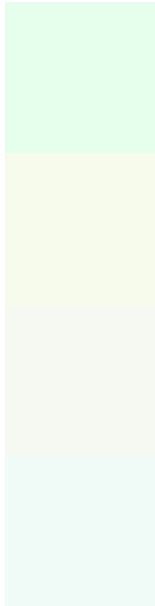
Deuteranopia

90.8303, 93.8254, 100.5116

Tritanopia

89.5819, 94.3838, 108.1042

Trichromacy



Original Color

83.5334, 94.3991, 93.1751

Protanomaly

87.4986, 94.5853, 92.2424

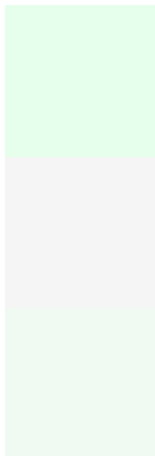
Deuteranomaly

87.9087, 93.7550, 97.4676

Tritanomaly

87.3756, 94.2969, 102.4029

Monochromacy



Original Color

83.5334, 94.3991, 93.1751

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.8379, 92.6874, 97.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5334, 94.3991, 93.1751 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, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 236)  
}
```

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, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 83.5334, 94.3991, 93.1751 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, 255, 236) }
```


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

```
.border{ border-color:rgb(230, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5334, 94.3991, 93.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 236) }
```

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

```
.background{ background-color: rgb(230,  
255, 236) }
```

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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