

Converting Colors

XYZ(84.5540, 96.3545, 95.6748)

Have a look what the booklet for
XYZ(84.5540, 96.3545, 95.6748)
contains.

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Color

**XYZ(83.6531, 94.4100,
95.4753)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFEF
RGB	229, 255, 239
RGB Percent	90%, 100%, 94%
CMY	0.1020, 0.0000, 0.0627
CMYK	0.10, 0.00, 0.06, 0.00
HSL	143°, 100%, 95%
HSV	143°, 10%, 100%
XYZ	83.6531, 94.4100, 95.4753
YIQ	245.4020, -10.3600, -10.4880

Conversions

Conversions Part 2

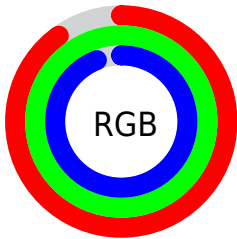
Format	Color
R _Y B	229, 248, 255
Decimal	15073263
CIE Lab	97.80, -11.34, 4.77
CIE LCh	98, 12.303, 157.173
Yxy	94.4100, 0.3058, 0.3451
Android (android.graphics.Color)	4293263343 (0xFFE5FFE5)
YUV	245.4020, -3.1562, -14.3846
Hunter-Lab	97.1648, -16.3606, 9.7563

Details

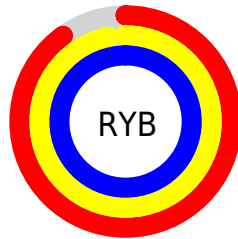
The XYZ color **83.6531, 94.4100, 95.4753** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.7412, 83.8922, 98.0600**, and the grayscale version is **87.1449, 91.6832, 99.8430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9749, 52.6913, 52.5470** is the 20% darker color. If you saturate the color by 10%, you get **73.8867, 89.6315, 83.4379**, and if you desaturate by 10%, it is **94.8176, 99.8859, 108.6317**.

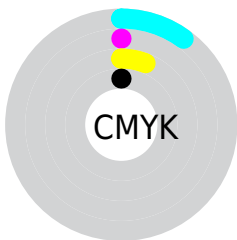
Distribution



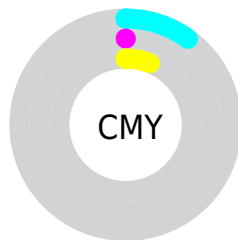
- Red (90%)
- Green (100%)
- Blue (94%)



- Red (90%)
- Yellow (97%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6531, 94.4100, 95.4753 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 83.6531, 94.4100, 95.4753 by changing the saturation by 10% instead.


 83.6531, 94.4100,
95.4753

 83.6531, 94.4100,
95.4753


495.7116,
542.2744, 566.7086

 63.0478, 71.6440,
71.9316

137.4136,
153.4492, 156.9223

 46.1387, 52.8679,
52.6163


171.2995,
190.4913, 195.6627

 32.5604, 37.6973,
37.1109

210.3430,
233.0608, 240.3056

 21.9475, 25.7479,
24.9969

254.9094,
281.5422, 291.2698

 13.9347, 16.6351,
15.8558

305.3641,
336.3199, 348.9736

 8.1567, 9.9747,
9.2689

362.0725,

 4.2480, 5.3822,

397.7782, 413.8356

4.8178

425.3999,
466.3016, 486.2745

■ 1.8434, 2.4732,
2.0839

■ 0.5436, 0.8632,
0.6062

■ 83.6531, 94.4100,
95.4753

■ 83.6531, 94.4100,
95.4753

■ 73.8867, 89.6315,
83.4379

94.8176, 99.8859,
108.6317

■ 65.4588, 85.5205,
72.4859

95.0500, 100.0000,
108.9000

■ 58.3094, 82.0465,
62.5901

■ 52.3725, 79.1761,
53.7187

■ 47.5760, 76.8729,
45.8381

■ 43.8401, 75.0964,
38.9128

■ 41.0734, 73.8002,
32.9050

■ 39.1681, 72.9295,
27.7740

■ 37.9686, 72.4034,
23.5502

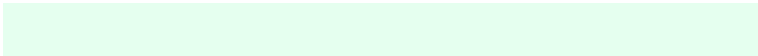
Harmonies

Analogous

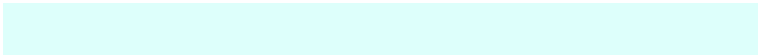
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7154, 94.4100, 88.1446



83.6531, 94.4100, 95.4753



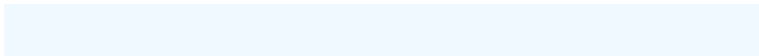
83.1997, 94.4100, 105.2302

Triad

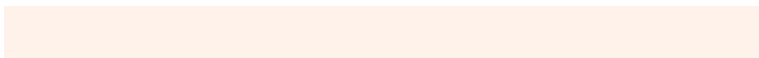
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6531, 94.4100, 95.4753



90.5797, 94.4100, 123.2019



95.2225, 94.4100, 91.5488

Complementary

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



83.6531, 94.4100, 95.4753



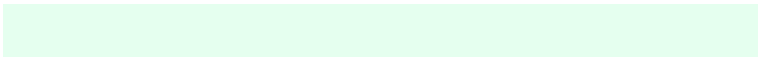
85.7412, 83.8922, 98.0600

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.



96.6015, 94.4100, 100.4005



83.6531, 94.4100, 95.4753



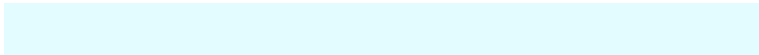
93.8760, 94.4100, 118.9881

Square

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



83.6531, 94.4100, 95.4753



87.1397, 94.4100, 121.6702



96.1024, 94.4100, 110.4826



92.3790, 94.4100, 85.9830

Rectangle

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



83.6531, 94.4100, 95.4753



83.8598, 94.4100, 111.8833



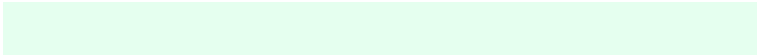
96.1024, 94.4100, 110.4826



95.8760, 94.4100, 94.2154

Sweetspot

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



83.6539, 94.4104, 95.4768



91.5426, 98.2783, 104.8280



87.5712, 96.5958, 88.1595



19.3979, 20.9395, 22.2083



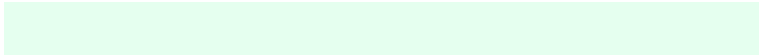
0.0000, 0.0000, 0.0000



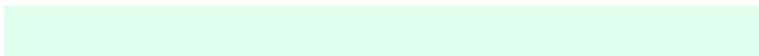
20.3446, 21.4041, 23.3091

Same Dimension

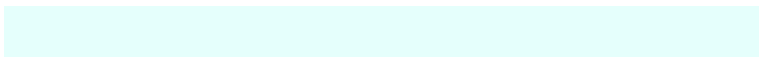
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6539, 94.4104, 95.4768



81.7896, 93.4973, 93.2225



85.6391, 95.2045, 105.9306



18.0607, 20.2838, 20.6227



19.9067, 37.8593, 12.6600



1.9897, 3.7068, 1.5035

Inverse Universe

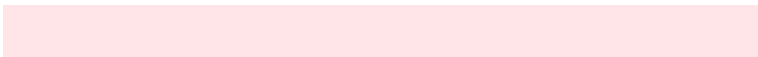
The Inverse Universe completely reimagines the original color for something new.



85.7412, 83.8922, 98.0600



84.2157, 81.2715, 96.2245



83.8303, 83.1278, 87.9969



18.4792, 18.1750, 21.1407



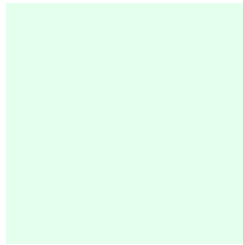
24.8002, 12.4094, 18.1303



2.4681, 1.2296, 2.0467

Previews

White Background



This preview shows how the XYZ color 83.6531, 94.4100, 95.4753 looks on a white background.

Color Contrast Check

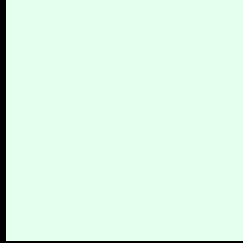
Large Text (above 18pt) WCAG AA × Fail

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 83.6531, 94.4100, 95.4753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

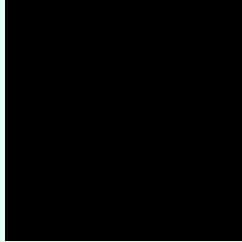
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

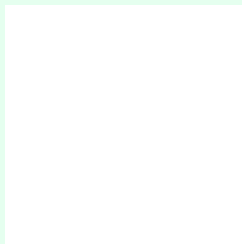
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6531, 94.4100, 95.4753

Background



This preview shows how black text looks on a background with the XYZ color 83.6531, 94.4100, 95.4753.



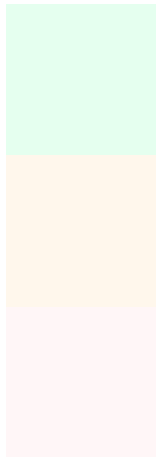
This preview shows how white text looks on a background with the XYZ color 83.6531, 94.4100,

95.4753.

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

83.6531, 94.4100, 95.4753

Protanopia

89.6411, 93.8377, 92.7448

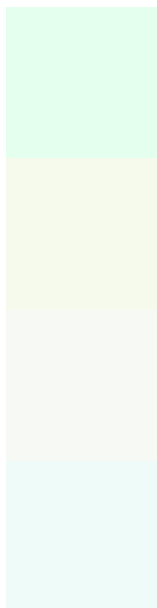
Deuteranopia

90.9843, 93.8869, 101.3223

Tritanopia

89.2339, 94.2045, 108.0879

Trichromacy



Original Color

83.6531, 94.4100, 95.4753

Protanomaly

87.4777, 94.0785, 93.6692

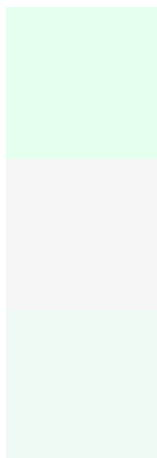
Deuteranomaly

88.2109, 93.8758, 99.0586

Tritanomaly

87.1927, 94.1846, 103.2064

Monochromacy



Original Color

83.6531, 94.4100, 95.4753

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.6499, 92.5732, 98.1482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6531, 94.4100, 95.4753 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(229, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 239)  
}
```

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(229, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 83.6531, 94.4100, 95.4753 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(229, 255, 239) }
```


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

```
.border{ border-color:rgb(229, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6531, 94.4100, 95.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 239) }
```

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

```
.background{ background-color: rgb(229,  
255, 239) }
```

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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