

Converting Colors

XYZ(83.3074, 93.6072, 99.5497)

Have a look what the booklet for
XYZ(83.3074, 93.6072, 99.5497)
contains.

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Color

**XYZ(83.4495, 93.7462,
99.2845)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FEF4
RGB	227, 254, 244
RGB Percent	89%, 100%, 96%
CMY	0.1098, 0.0039, 0.0431
CMYK	0.11, 0.00, 0.04, 0.00
HSL	158°, 93%, 94%
HSV	158°, 11%, 100%
XYZ	83.4495, 93.7462, 99.2845
YIQ	244.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

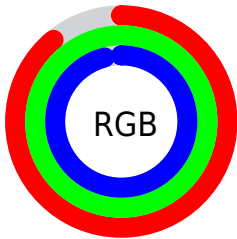
Format	Color
R_{YB}	227, 244, 254
Decimal	14941940
CIE _{Lab}	97.53, -10.58, 1.80
CIE _{LCh}	98, 10.728, 170.345
Yxy	93.7462, 0.3018, 0.3391
Android (android.graphics.Color)	4293132020 (0xFFE3FEF4)
YUV	244.7870, -0.3880, -15.5992
Hunter-Lab	96.8226, -15.5940, 6.9783

Details

The XYZ color **83.4495, 93.7462, 99.2845** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.6316, 82.1258, 91.5691**, and the grayscale version is **86.6326, 91.1442, 99.2560**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8379, 52.2213, 55.2407** is the 20% darker color. If you saturate the color by 10%, you get **74.6295, 89.3628, 91.6038**, and if you desaturate by 10%, it is **93.5297, 98.7760, 107.4089**.

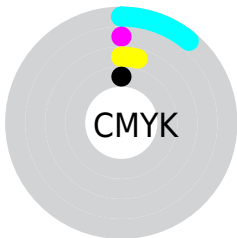
Distribution



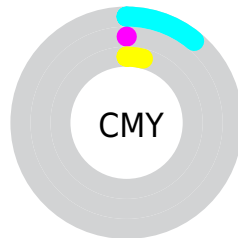
- Red (89%)
- Green (100%)
- Blue (96%)



- Red (89%)
- Yellow (96%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4495, 93.7462, 99.2845 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 83.4495, 93.7462, 99.2845 by changing the saturation by 10% instead.


 83.4495, 93.7462,
99.2845

 83.4495, 93.7462,
99.2845


495.0447,
540.1432, 579.1233

 62.8792, 71.0919,
75.0896


137.1301,
152.5313, 162.2169

 46.0018, 52.4172,
55.1841


170.9711,
189.4308, 201.7914

 32.4519, 37.3377,
39.1495


209.9664,
231.8476, 247.3295

 21.8641, 25.4691,
26.5674

254.4814,
280.1660, 299.2498

 13.8731, 16.4269,
17.0190

304.8813,
334.7703, 357.9708

 8.1136, 9.8267,
10.0859

361.5316,

 4.2201, 5.2842,

396.0450, 423.9110

5.3496

424.7976,
464.3746, 497.4890

■ 1.8274, 2.4150,
2.3915

■ 0.5341, 0.8336,
0.7818

■ 83.4495, 93.7462,
99.2845

■ 83.4495, 93.7462,
99.2845

■ 74.6295, 89.3628,
91.6038

■ 93.5297, 98.7760,
107.4089

■ 67.0090, 85.5869,
84.3526

94.7336, 99.3672,
108.7945

■ 60.5343, 82.3935,
77.5244

■ 55.1441, 79.7512,
71.1106

■ 50.7716, 77.6255,
65.1019

■ 47.3418, 75.9780,
59.4887

■ 44.7690, 74.7648,
54.2607

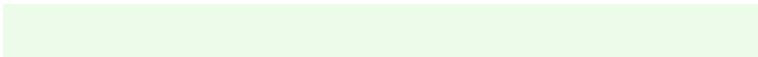
■ 42.9509, 73.9331,
49.4064

■ 41.7806, 73.4220,
45.1846

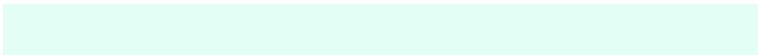
Harmonies

Analogous

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



84.6667, 93.7462, 91.7331



83.4495, 93.7462, 99.2845



83.7203, 93.7462, 108.0208

Triad

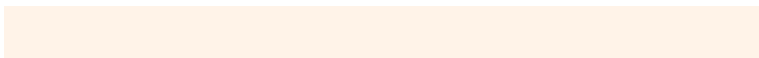
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4495, 93.7462, 99.2845



91.1560, 93.7462, 118.6331



92.8955, 93.7462, 89.6894

Complementary

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



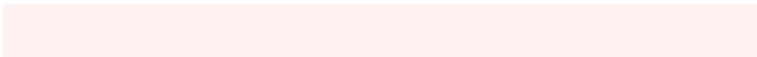
83.4495, 93.7462, 99.2845



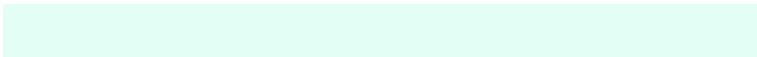
83.6316, 82.1258, 91.5691

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.



94.7115, 93.7462, 96.3490



83.4495, 93.7462, 99.2845



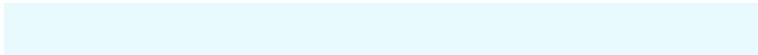
93.6915, 93.7462, 113.1636

Square

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



83.4495, 93.7462, 99.2845



88.1237, 93.7462, 119.5299



95.0061, 93.7462, 104.9146



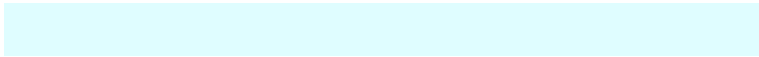
90.0895, 93.7462, 86.4055

Rectangle

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



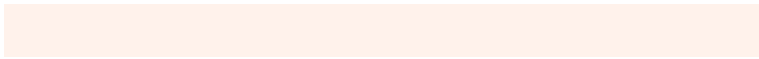
83.4495, 93.7462, 99.2845



84.7106, 93.7462, 113.3294



95.0061, 93.7462, 104.9146



93.6446, 93.7462, 91.5890

Sweetspot

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



83.4521, 93.7502, 99.2866



91.8383, 98.3967, 106.3855



84.3521, 94.4988, 86.4686



19.4777, 20.9714, 22.6285



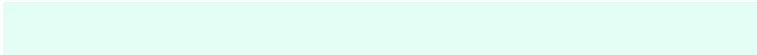
0.0000, 0.0000, 0.0000



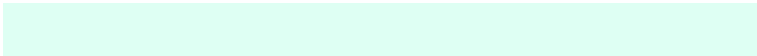
20.3446, 21.4041, 23.3091

Same Dimension

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



83.4521, 93.7502, 99.2866



81.9736, 93.4800, 98.2949



84.0214, 92.3912, 107.1756



18.2527, 20.3606, 21.6336



22.0998, 38.7365, 24.2088



2.2046, 3.7928, 2.6353

Inverse Universe

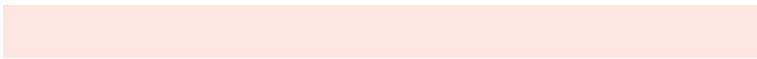
The Inverse Universe completely reimagines the original color for something new.



83.6316, 82.1258, 91.5691



82.1915, 79.3709, 88.9286



83.0797, 83.2965, 84.3735



18.2876, 18.0984, 20.1317



22.6813, 11.5618, 6.9723



2.2590, 1.1460, 0.9455

Previews

White Background



This preview shows how the XYZ color 83.4495, 93.7462, 99.2845 looks on a white background.

Color Contrast Check

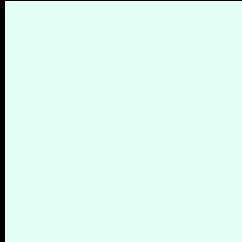
Large Text (above 18pt) WCAG AA × Fail

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 83.4495, 93.7462, 99.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

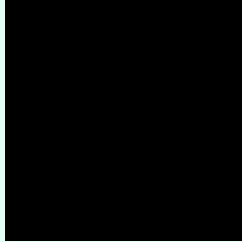
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

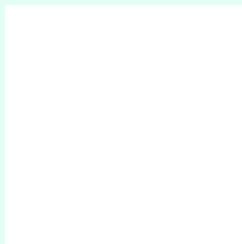
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4495, 93.7462, 99.2845

Background



This preview shows how black text looks on a background with the XYZ color 83.4495, 93.7462, 99.2845.



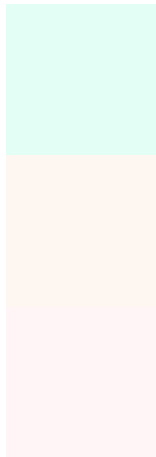
This preview shows how white text looks on a background with the XYZ color 83.4495, 93.7462,

99.2845.

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

83.4495, 93.7462, 99.2845

Protanopia

89.5570, 93.2736, 95.7215

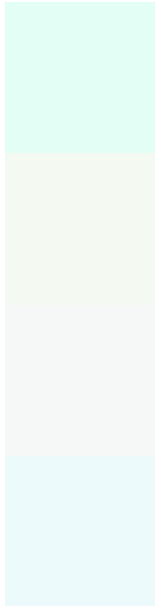
Deuteranopia

90.6809, 93.2802, 101.2212

Tritanopia

88.5795, 93.4095, 107.9689

Trichromacy



Original Color

83.4495, 93.7462, 99.2845

Protanomaly

87.0611, 93.3353, 96.6460

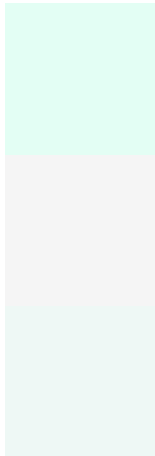
Deuteranomaly

87.8581, 93.2011, 100.5478

Tritanomaly

86.5232, 93.3408, 104.7231

Monochromacy



Original Color

83.4495, 93.7462, 99.2845

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.3087, 91.9045, 99.6293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4495, 93.7462, 99.2845 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(227, 254, 244)` looks like.

```
.text, #text, p{  
    color:rgb(227, 254, 244)  
}
```

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(227, 254, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 254, 244) }
```

Border

The CSS property to change the border of an element to XYZ 83.4495, 93.7462, 99.2845 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(227, 254, 244) }
```


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

```
.border{ border-color:rgb(227, 254, 244) }
```

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

Here you see how a box with a 4 pixel rgb(227, 254, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 254, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 254, 244);  
box-shadow:4px 4px 4px 4px rgb(227, 254,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4495, 93.7462, 99.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 254, 244) }
```

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

```
.background{ background-color: rgb(227,  
254, 244) }
```

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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