

Converting Colors

XYZ(86.4461, 100.0000,
104.1892)

Have a look what the booklet for
XYZ(86.4461, 100.0000, 104.1892)
contains.

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Color

**XYZ(83.5994, 94.2068,
103.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFF9
RGB	224, 255, 249
RGB Percent	88%, 100%, 98%
CMY	0.1216, 0.0000, 0.0235
CMYK	0.12, 0.00, 0.02, 0.00
HSL	168°, 100%, 94%
HSV	168°, 12%, 100%
XYZ	83.5994, 94.2068, 103.4001
YIQ	245.0470, -16.5500, -8.4380

Conversions

Conversions Part 2

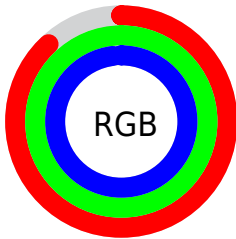
Format	Color
R _Y B	224, 241, 255
Decimal	14745593
CIE Lab	97.72, -11.09, -0.52
CIE LCh	98, 11.103, 182.706
Yxy	94.2068, 0.2973, 0.3350
Android (android.graphics.Color)	4292935673 (0xFFE0FFF9)
YUV	245.0470, 1.9488, -18.4582
Hunter-Lab	97.0602, -16.1106, 4.7793

Details

The XYZ color **83.5994, 94.2068, 103.4001** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.1793, 80.2858, 86.0288**, and the grayscale version is **86.8229, 91.3445, 99.4741**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1819, 52.6734, 58.1850** is the 20% darker color. If you saturate the color by 10%, you get **75.5207, 90.1299, 99.0581**, and if you desaturate by 10%, it is **92.8854, 98.9039, 107.9071**.

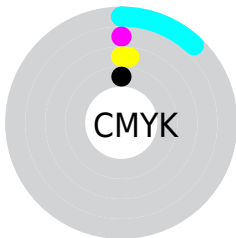
Distribution



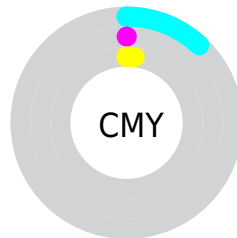
- Red (88%)
- Green (100%)
- Blue (98%)



- Red (88%)
- Yellow (95%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5994, 94.2068, 103.4001 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 83.5994, 94.2068, 103.4001 by changing the saturation by 10% instead.


 83.5994, 94.2068,
103.4001

 83.5994, 94.2068,
103.4001


495.5358,
541.6225, 592.3791

 63.0033, 71.4750,
78.5105


137.3388,
153.1683, 167.9144

 46.1026, 52.7299,
57.9745

171.2129,
190.1668, 208.3761

 32.5317, 37.5872,
41.3736


210.2437,
232.6896, 254.8657

 21.9255, 25.6625,
28.2892

254.7965,
281.1211, 307.8015

 13.9184, 16.5713,
18.3028

305.2368,
335.8458, 367.6023

 8.1453, 9.9293,
10.9959

361.9299,

 4.2406, 5.3521,

397.2480, 434.6864

5.9500

425.2411,
465.7121, 509.4725

■ 1.8392, 2.4553,
2.7464

■ 0.5411, 0.8541,
0.9666

■ 83.5994, 94.2068,
103.4001

■ 83.5994, 94.2068,
103.4001

■ 75.5207, 90.1299,
99.0581

■ 92.8854, 98.9039,
107.9071

■ 68.5938, 86.6444,
94.8732

95.0500, 100.0000,
108.9000

■ 62.7628, 83.7215,
90.8435

■ 57.9662, 81.3297,
86.9654

■ 54.1362, 79.4339,
83.2348

■ 51.1970, 77.9950,
79.6473

■ 49.0610, 76.9680,
76.1980

■ 47.6225, 76.2983,
72.8811

■ 46.8588, 75.9595,
70.3657

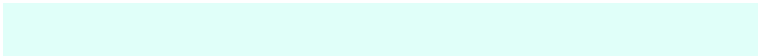
Harmonies

Analogous

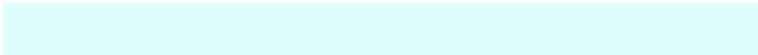
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2417, 94.2068, 94.7902



83.5994, 94.2068, 103.4001



84.5178, 94.2068, 112.2819

Triad

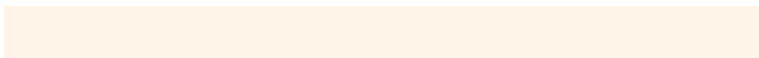
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5994, 94.2068, 103.4001



92.8688, 94.2068, 117.9480



92.3599, 94.2068, 87.8557

Complementary

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



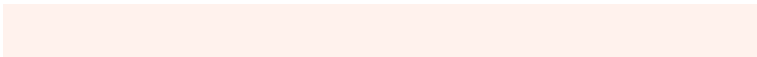
83.5994, 94.2068, 103.4001



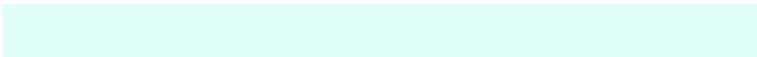
82.1793, 80.2858, 86.0288

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.



94.7589, 94.2068, 93.4447



83.5994, 94.2068, 103.4001



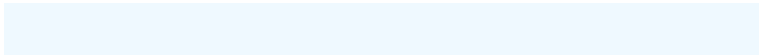
95.0575, 94.2068, 110.7752

Square

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



83.5994, 94.2068, 103.4001



89.8283, 94.2068, 120.9848



95.7571, 94.2068, 101.7547



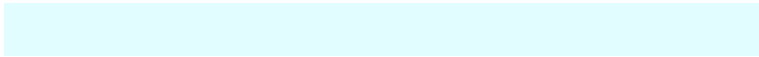
89.2538, 94.2068, 86.1348

Rectangle

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



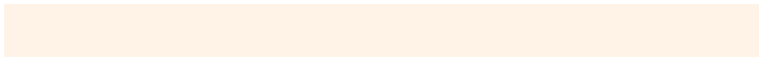
83.5994, 94.2068, 103.4001



85.9044, 94.2068, 117.0720



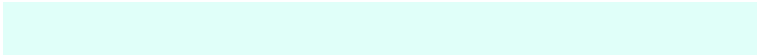
95.7571, 94.2068, 101.7547



93.2783, 94.2068, 89.3274

Sweetspot

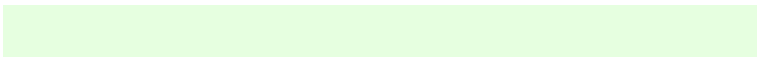
The Sweet Spot groups the original color and five complimentary colors.



83.6004, 94.2073, 103.4016



91.0803, 97.9900, 107.0640



81.9128, 93.7584, 84.3026



19.3399, 20.8955, 22.8428



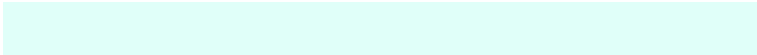
0.0000, 0.0000, 0.0000



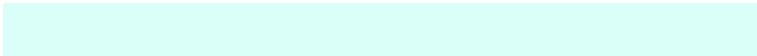
20.3446, 21.4041, 23.3091

Same Dimension

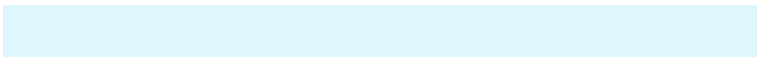
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6004, 94.2073, 103.4016



81.1820, 92.9858, 102.1499



81.6560, 88.7973, 107.4436



18.3953, 20.4176, 22.3845



24.5383, 39.7119, 37.0495



2.4260, 3.8813, 3.8013

Inverse Universe

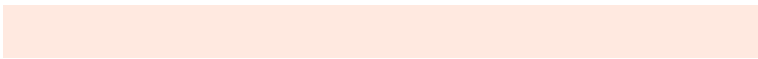
The Inverse Universe completely reimagines the original color for something new.



82.1793, 80.2858, 86.0288



79.4636, 76.1470, 81.1385



83.9193, 85.0907, 82.5239



18.1530, 18.0445, 19.4228



21.8828, 11.2424, 2.7676



2.1666, 1.1090, 0.4586

Previews

White Background



This preview shows how the XYZ color 83.5994, 94.2068, 103.4001 looks on a white background.

Color Contrast Check

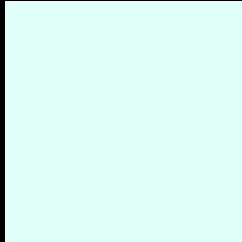
Large Text (above 18pt) WCAG AA × Fail

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 83.5994, 94.2068, 103.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

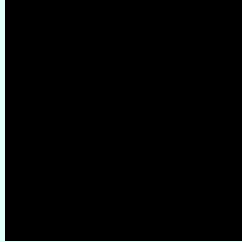
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

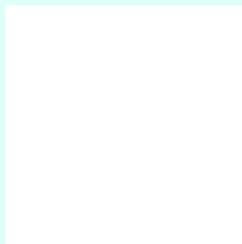
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5994, 94.2068, 103.4001

Background



This preview shows how black text looks on a background with the XYZ color 83.5994, 94.2068, 103.4001.



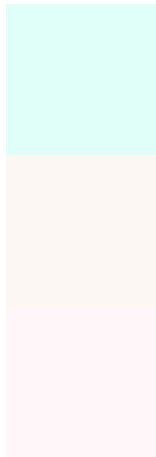
This preview shows how white text looks on a background with the XYZ color 83.5994, 94.2068,

103.4001.

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

83.5994, 94.2068, 103.4001

Protanopia

90.0979, 93.9358, 98.9707

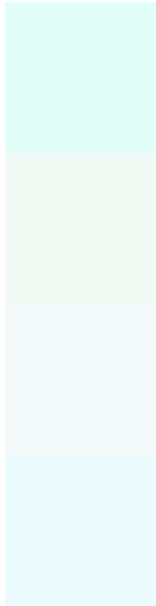
Deuteranopia

91.2947, 94.0111, 102.9567

Tritanopia

88.8878, 94.0260, 108.0717

Trichromacy



Original Color

83.5994, 94.2068, 103.4001

Protanomaly

87.4381, 93.9023, 100.7052

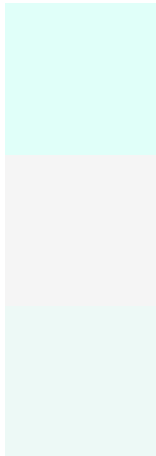
Deuteranomaly

88.2828, 93.8240, 103.0794

Tritanomaly

86.8189, 93.9191, 106.4809

Monochromacy



Original Color

83.5994, 94.2068, 103.4001

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4353, 92.4097, 100.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5994, 94.2068, 103.4001 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(224, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 249)  
}
```

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(224, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 83.5994, 94.2068, 103.4001 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(224, 255, 249) }
```


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

```
.border{ border-color:rgb(224, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5994, 94.2068, 103.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 249) }
```

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

```
.background{ background-color: rgb(224,  
255, 249) }
```

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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