

Converting Colors

XYZ(86.5766, 100.0000,
102.2000)

Have a look what the booklet for
XYZ(86.5766, 100.0000, 102.2000)
contains.

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Color

**XYZ(83.7586, 94.3426,
100.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFF6
RGB	226, 255, 246
RGB Percent	89%, 100%, 96%
CMY	0.1137, 0.0000, 0.0353
CMYK	0.11, 0.00, 0.04, 0.00
HSL	161°, 100%, 94%
HSV	161°, 11%, 100%
XYZ	83.7586, 94.3426, 100.9842
YIQ	245.3030, -14.3950, -8.9470

Conversions

Conversions Part 2

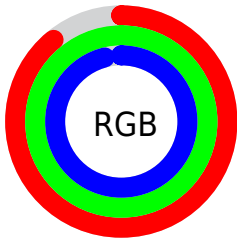
Format	Color
R_{YB}	226, 243, 255
Decimal	14876662
CIE _{Lab}	97.77, -11.02, 1.11
CIE _{LCh}	98, 11.078, 174.233
Yxy	94.3426, 0.3001, 0.3380
Android (android.graphics.Color)	4293066742 (0xFFE2FFF6)
YUV	245.3030, 0.3436, -16.9287
Hunter-Lab	97.1301, -16.0511, 6.3485

Details

The XYZ color **83.7586, 94.3426, 100.9842** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.4323, 81.6520, 89.9604**, and the grayscale version is **87.0402, 91.5730, 99.7230**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0659, 52.6519, 56.4501** is the 20% darker color. If you saturate the color by 10%, you get **75.1594, 90.0469, 94.3771**, and if you desaturate by 10%, it is **93.6005, 99.2729, 107.9225**.

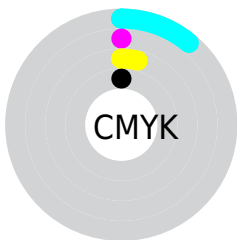
Distribution



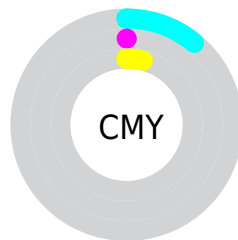
- Red (89%)
- Green (100%)
- Blue (96%)



- Red (89%)
- Yellow (95%)
- 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 83.7586, 94.3426, 100.9842 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 83.7586, 94.3426, 100.9842 by changing the saturation by 10% instead.

83.7586, 94.3426,
100.9842

83.7586, 94.3426,
100.9842

496.0570,
542.0582, 584.6171

63.1352, 71.5879,
76.5013

137.5605,
153.3561, 164.5727

46.2096, 52.8221,
56.3345

171.4696,
190.3837, 204.5154

32.6166, 37.6608,
40.0654

210.5380,
232.9377, 250.4483

21.9907, 25.7195,
27.2754

255.1311,
281.4026, 302.7902

13.9667, 16.6139,
17.5459

305.6142,
336.1627, 361.9595

8.1790, 9.9596,
10.4584

362.3527,

4.2625, 5.3722,

397.6024, 428.3747

5.5944

425.7118,
466.1061, 502.4544

■ 1.8517, 2.4673,
2.5353

■ 0.5485, 0.8602,
0.8588

■ 83.7586, 94.3426,
100.9842

■ 83.7586, 94.3426,
100.9842

■ 75.1594, 90.0469,
94.3771

■ 93.6005, 99.2729,
107.9225

■ 67.7474, 86.3573,
88.0909

■ 95.0500, 100.0000,
108.9000

■ 61.4664, 83.2450,
82.1210

■ 56.2550, 80.6782,
76.4612

■ 52.0453, 78.6223,
71.1047

■ 48.7616, 77.0381,
66.0443

■ 46.3170, 75.8809,
61.2725

■ 44.6070, 75.0970,
56.7805

■ 43.5839, 74.6496,
53.1201

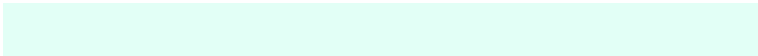
Harmonies

Analogous

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



84.8289, 94.3426, 92.8829



83.7586, 94.3426, 100.9842



84.2418, 94.3426, 110.0332

Triad

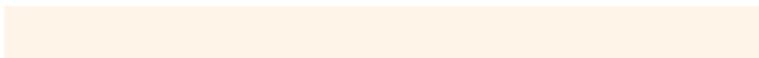
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7586, 94.3426, 100.9842



92.1872, 94.3426, 119.4244



93.2688, 94.3426, 89.2389

Complementary

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



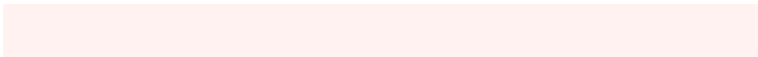
83.7586, 94.3426, 100.9842



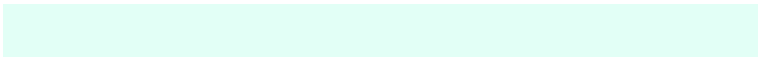
83.4323, 81.6520, 89.9604

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.



95.3261, 94.3426, 95.7441



83.7586, 94.3426, 100.9842



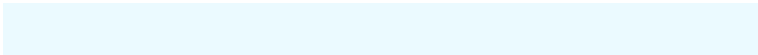
94.6915, 94.3426, 113.2347

Square

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



83.7586, 94.3426, 100.9842



89.0606, 94.3426, 121.0297



95.8528, 94.3426, 104.4818



90.2818, 94.3426, 86.3622

Rectangle

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



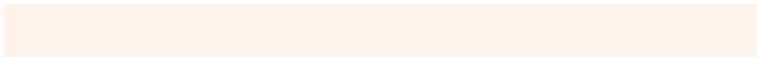
83.7586, 94.3426, 100.9842



85.3858, 94.3426, 115.3480



95.8528, 94.3426, 104.4818



94.0948, 94.3426, 91.0547

Sweetspot

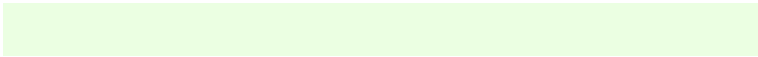
The Sweet Spot groups the original color and five complimentary colors.



83.7595, 94.3430, 100.9857



91.9114, 98.4259, 106.7704



83.8097, 94.7047, 85.8155



19.4975, 20.9793, 22.7325



0.0000, 0.0000, 0.0000



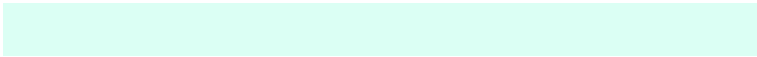
20.3446, 21.4041, 23.3091

Same Dimension

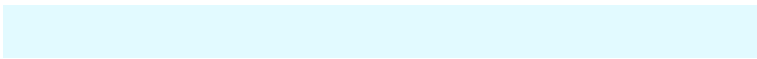
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7595, 94.3430, 100.9857



81.3811, 93.1536, 99.2172



83.5020, 91.5639, 107.8803



18.3008, 20.3798, 21.8870



22.8437, 39.0341, 28.1260



2.2734, 3.8203, 2.9973

Inverse Universe

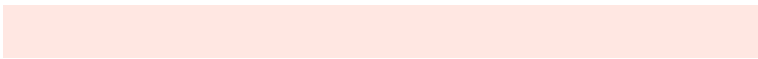
The Inverse Universe completely reimagines the original color for something new.



83.4323, 81.6520, 89.9604



80.9859, 77.8141, 85.8926



83.6328, 84.0813, 83.7743



18.2415, 18.0799, 19.8888



22.3472, 11.4282, 5.2128



2.2225, 1.1314, 0.7529

Previews

White Background



This preview shows how the XYZ color 83.7586, 94.3426, 100.9842 looks on a white background.

Color Contrast Check

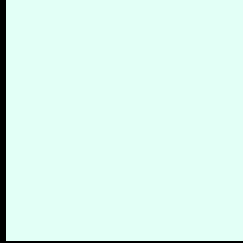
Large Text (above 18pt) WCAG AA × Fail

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 83.7586, 94.3426, 100.9842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

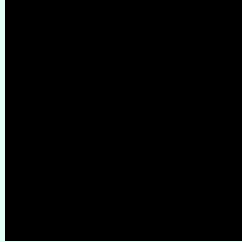
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

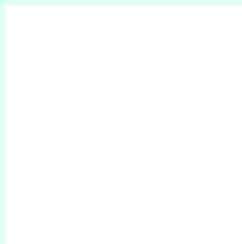
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7586, 94.3426, 100.9842

Background



This preview shows how black text looks on a background with the XYZ color 83.7586, 94.3426, 100.9842.



This preview shows how white text looks on a background with the XYZ color 83.7586, 94.3426,

100.9842.

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

83.7586, 94.3426, 100.9842

Protanopia

90.1608, 94.0032, 97.3968

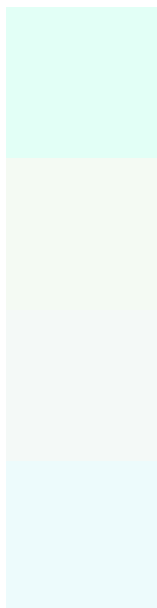
Deuteranopia

91.1390, 93.9488, 102.1373

Tritanopia

88.8878, 94.0260, 108.0717

Trichromacy



Original Color

83.7586, 94.3426, 100.9842

Protanomaly

87.6715, 94.0754, 98.3316

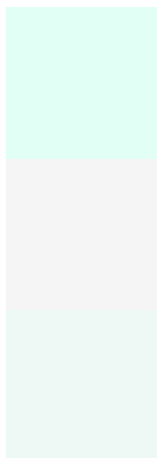
Deuteranomaly

87.9724, 93.6999, 101.4449

Tritanomaly

86.9929, 94.0272, 105.6595

Monochromacy



Original Color

83.7586, 94.3426, 100.9842

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.6170, 92.5211, 99.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7586, 94.3426, 100.9842 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(226, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 246)  
}
```

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(226, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 83.7586, 94.3426, 100.9842 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(226, 255, 246) }
```


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

```
.border{ border-color:rgb(226, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7586, 94.3426, 100.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 246) }
```

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

```
.background{ background-color: rgb(226,  
255, 246) }
```

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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