

Converting Colors

XYZ(83.1972, 94.0603,
100.6348)

Have a look what the booklet for
XYZ(83.1972, 94.0603, 100.6348)
contains.

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Color

**XYZ(83.1350, 94.0211,
100.9550)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFF6
RGB	224, 255, 246
RGB Percent	88%, 100%, 96%
CMY	0.1216, 0.0000, 0.0353
CMYK	0.12, 0.00, 0.04, 0.00
HSL	163°, 100%, 94%
HSV	163°, 12%, 100%
XYZ	83.1350, 94.0211, 100.9550
YIQ	244.7050, -15.5870, -9.3710

Conversions

Conversions Part 2

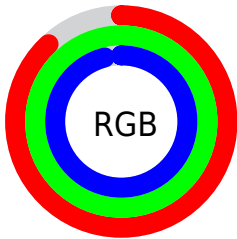
Format	Color
R _Y B	224, 242, 255
Decimal	14745590
CIE Lab	97.64, -11.66, 0.91
CIE LCh	98, 11.692, 175.542
Yxy	94.0211, 0.2989, 0.3381
Android (android.graphics.Color)	4292935670 (0xFFE0FFF6)
YUV	244.7050, 0.6384, -18.1583
Hunter-Lab	96.9645, -16.6463, 6.1451

Details

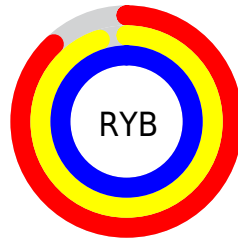
The XYZ color **83.1350, 94.0211, 100.9550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.6042, 80.4556, 88.2666**, and the grayscale version is **86.5576, 91.0654, 99.1702**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8505, 52.5409, 56.4400** is the 20% darker color. If you saturate the color by 10%, you get **74.7021, 89.8024, 94.7480**, and if you desaturate by 10%, it is **92.8002, 98.8697, 107.4590**.

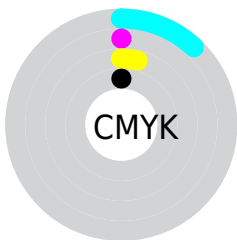
Distribution



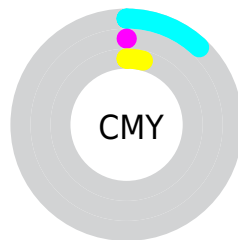
- Red (88%)
- Green (100%)
- Blue (96%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1350, 94.0211, 100.9550 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 83.1350, 94.0211, 100.9550 by changing the saturation by 10% instead.

83.1350, 94.0211,
100.9550

83.1350, 94.0211,
100.9550

494.0135,
541.0264, 584.5230

62.6188, 71.3205,
76.4770

136.6921,
152.9115, 164.5323

45.7904, 52.6038,
56.3147

170.4637,
189.8701, 204.4686

32.2844, 37.4866,
40.0496

209.3844,
232.3502, 250.3948

21.7354, 25.5844,
27.2632

253.8197,
280.7362, 302.7295

13.7781, 16.5130,
17.5368

304.1349,
335.4123, 361.8911

8.0472, 9.8879,
10.4520

360.6954,

4.1772, 5.3247,

396.7632, 428.2982

5.5901

423.8664,
465.1731, 502.3693

■ 1.8029, 2.4390,
2.5328

■ 0.5194, 0.8458,
0.8574

■ 83.1350, 94.0211,
100.9550

■ 83.1350, 94.0211,
100.9550

■ 74.7021, 89.8024,
94.7480

■ 92.8002, 98.8697,
107.4590

■ 67.4457, 86.1851,
88.8283

95.0500, 100.0000,
108.9000

■ 61.3096, 83.1403,
83.1919

■ 56.2319, 80.6359,
77.8331

■ 52.1444, 78.6371,
72.7459

■ 48.9707, 77.1045,
67.9238

■ 46.6230, 75.9928,
63.3597

■ 44.9951, 75.2474,
59.0455

■ 44.0983, 74.8553,
55.8287

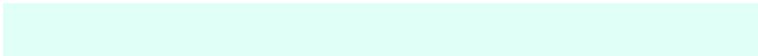
Harmonies

Analogous

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



84.1910, 94.0211, 92.3497



83.1350, 94.0211, 100.9550



83.7139, 94.0211, 110.4800

Triad

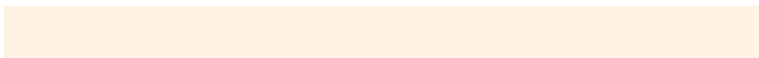
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1350, 94.0211, 100.9550



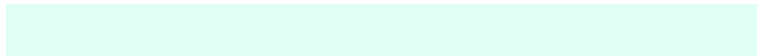
92.1519, 94.0211, 119.8151



93.0341, 94.0211, 87.9931

Complementary

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



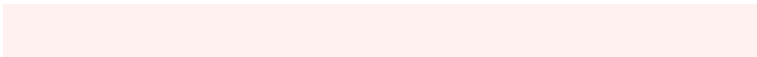
83.1350, 94.0211, 100.9550



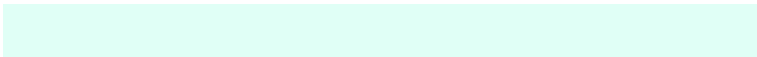
82.6042, 80.4556, 88.2666

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.



95.2633, 94.0211, 94.6726



83.1350, 94.0211, 100.9550



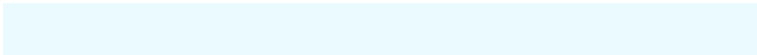
94.7452, 94.0211, 113.0965

Square

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



83.1350, 94.0211, 100.9550



88.8677, 94.0211, 121.7530



95.8971, 94.0211, 103.8042



89.8626, 94.0211, 85.1670

Rectangle

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



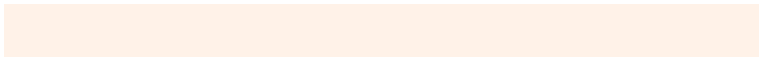
83.1350, 94.0211, 100.9550



84.9568, 94.0211, 116.0191



95.8971, 94.0211, 103.8042



93.9215, 94.0211, 89.8412

Sweetspot

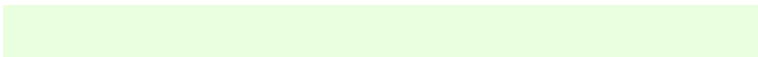
The Sweet Spot groups the original color and five complimentary colors.



83.1359, 94.0215, 100.9565



90.9233, 97.9273, 106.2377



82.9176, 94.2763, 84.3493



19.3001, 20.8795, 22.6332



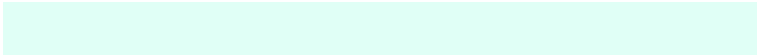
0.0000, 0.0000, 0.0000



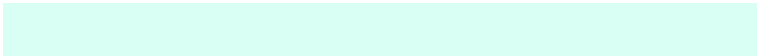
20.3446, 21.4041, 23.3091

Same Dimension

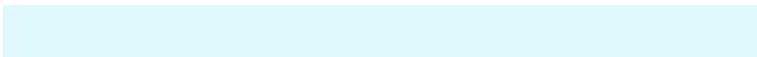
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1359, 94.0215, 100.9565



80.6145, 92.7588, 99.1612



82.6051, 90.6956, 107.7600



18.3169, 20.3863, 21.9717



23.1104, 39.1408, 29.5303



2.2977, 3.8300, 3.1255

Inverse Universe

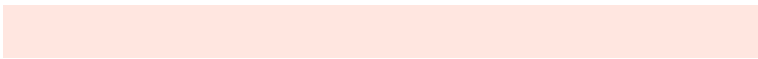
The Inverse Universe completely reimagines the original color for something new.



82.6042, 80.4556, 88.2666



79.9717, 76.3502, 83.8141



83.0477, 83.3478, 82.2330



18.2262, 18.0738, 19.8084



22.2508, 11.3896, 4.7053



2.2115, 1.1270, 0.6952

Previews

White Background



This preview shows how the XYZ color 83.1350, 94.0211, 100.9550 looks on a white background.

Color Contrast Check

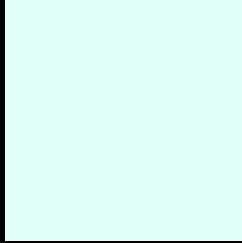
Large Text (above 18pt) WCAG AA × Fail

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 83.1350, 94.0211, 100.9550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

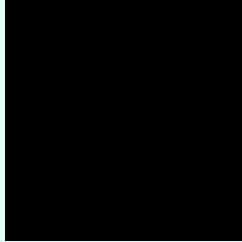
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

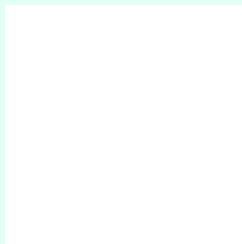
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1350, 94.0211, 100.9550

Background



This preview shows how black text looks on a background with the XYZ color 83.1350, 94.0211, 100.9550.



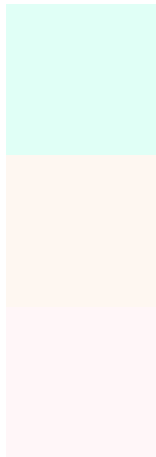
This preview shows how white text looks on a background with the XYZ color 83.1350, 94.0211,

100.9550.

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

83.1350, 94.0211, 100.9550

Protanopia

90.0110, 93.9432, 96.6079

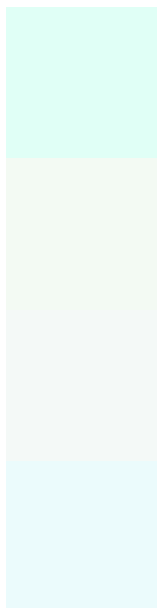
Deuteranopia

91.1390, 93.9488, 102.1373

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

83.1350, 94.0211, 100.9550

Protanomaly

87.3254, 93.8970, 98.3154

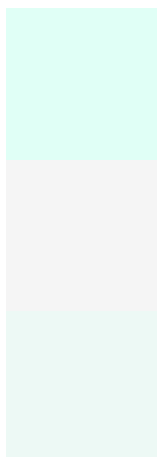
Deuteranomaly

87.9724, 93.6999, 101.4449

Tritanomaly

86.3288, 93.6848, 105.6284

Monochromacy



Original Color

83.1350, 94.0211, 100.9550

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.2822, 92.3485, 99.7164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1350, 94.0211, 100.9550 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 83.1350, 94.0211, 100.9550 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, 246) }
```


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

```
.border{ border-color:rgb(224, 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(224, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1350, 94.0211, 100.9550 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, 246) }
```

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

```
.background{ background-color: rgb(224,  
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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