

Converting Colors

XYZ(86.2494, 100.0000,
103.2662)

Have a look what the booklet for
XYZ(86.2494, 100.0000, 103.2662)
contains.

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Color

**XYZ(83.4437, 94.1446,
102.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFF8
RGB	224, 255, 248
RGB Percent	88%, 100%, 97%
CMY	0.1216, 0.0000, 0.0274
CMYK	0.12, 0.00, 0.03, 0.00
HSL	166°, 100%, 94%
HSV	166°, 12%, 100%
XYZ	83.4437, 94.1446, 102.5807
YIQ	244.9330, -16.2290, -8.7490

Conversions

Conversions Part 2

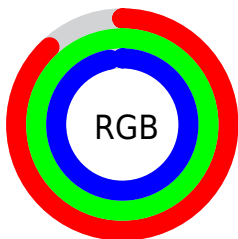
Format	Color
R _Y B	224, 241, 255
Decimal	14745592
CIE Lab	97.69, -11.28, -0.05
CIE LCh	98, 11.280, 180.237
Yxy	94.1446, 0.2978, 0.3360
Android (android.graphics.Color)	4292935672 (0xFFE0FFF8)
YUV	244.9330, 1.5120, -18.3582
Hunter-Lab	97.0281, -16.2902, 5.2368

Details

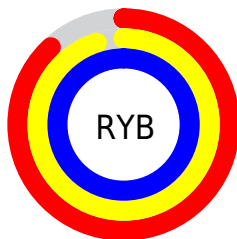
The XYZ color **83.4437, 94.1446, 102.5807** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.3200, 80.3418, 86.7702**, and the grayscale version is **86.7344, 91.2513, 99.3727**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0707, 52.6290, 57.5994** is the 20% darker color. If you saturate the color by 10%, you get **75.2450, 90.0196, 97.6070**, and if you desaturate by 10%, it is **92.8568, 98.8924, 107.7575**.

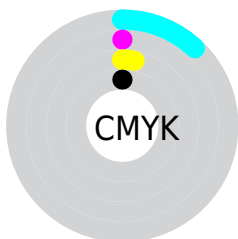
Distribution



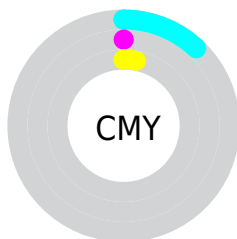
- Red (88%)
- Green (100%)
- Blue (97%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4437, 94.1446, 102.5807 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 83.4437, 94.1446, 102.5807 by changing the saturation by 10% instead.


 83.4437, 94.1446,
102.5807

 83.4437, 94.1446,
102.5807


495.0257,
541.4229, 589.7525

 62.8744, 71.4232,
77.8287


137.1220,
153.0823, 166.7819

 45.9979, 52.6877,
57.4176


170.9618,
190.0674, 207.0681

 32.4488, 37.5535,
40.9290


209.9557,
232.5759, 253.3695

 21.8617, 25.6363,
27.9444

254.4692,
280.9922, 306.1045

 13.8714, 16.5518,
18.0450

304.8675,
335.7006, 365.6918

 8.1123, 9.9154,
10.8126

361.5162,

 4.2193, 5.3429,

397.0856, 432.5499

5.8284

424.7804,
465.5316, 507.0973

■ 1.8270, 2.4498,
2.6739

■ 0.5338, 0.8514,
0.9302

■ 83.4437, 94.1446,
102.5807

■ 83.4437, 94.1446,
102.5807

■ 75.2450, 90.0196,
97.6070

■ 92.8568, 98.8924,
107.7575

■ 68.2053, 86.4890,
92.8283

95.0500, 100.0000,
108.9000

■ 62.2687, 83.5239,
88.2421

■ 57.3734, 81.0925,
83.8441

■ 53.4516, 79.1600,
79.6300

■ 50.4274, 77.6872,
75.5948

■ 48.2131, 76.6288,
71.7330

■ 46.7028, 75.9305,
68.0383

■ 45.8875, 75.5710,
65.2505

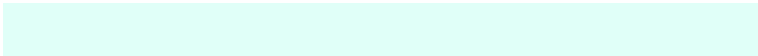
Harmonies

Analogous

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



84.2241, 94.1446, 93.9713



83.4437, 94.1446, 102.5807



84.2486, 94.1446, 111.6798

Triad

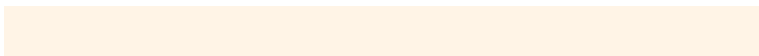
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4437, 94.1446, 102.5807



92.6295, 94.1446, 118.5691



92.5842, 94.1446, 87.9000

Complementary

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



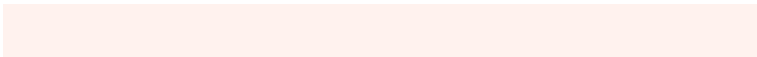
83.4437, 94.1446, 102.5807



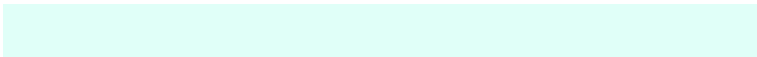
82.3200, 80.3418, 86.7702

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.



94.9269, 94.1446, 93.8516



83.4437, 94.1446, 102.5807



94.9535, 94.1446, 111.5456

Square

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



83.4437, 94.1446, 102.5807



89.5072, 94.1446, 121.2417



95.8040, 94.1446, 102.4343



89.4561, 94.1446, 85.8099

Rectangle

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



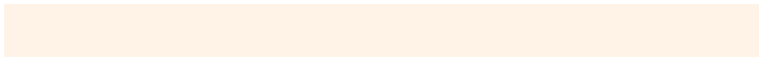
83.4437, 94.1446, 102.5807



85.5873, 94.1446, 116.7213



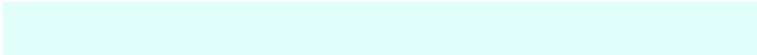
95.8040, 94.1446, 102.4343



93.4923, 94.1446, 89.4971

Sweetspot

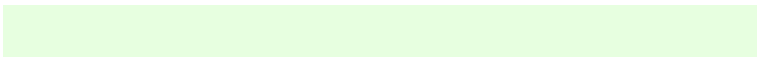
The Sweet Spot groups the original color and five complimentary colors.



83.4446, 94.1450, 102.5822



91.0279, 97.9691, 106.7881



82.2456, 93.9299, 84.3178



19.3266, 20.8901, 22.7728



0.0000, 0.0000, 0.0000



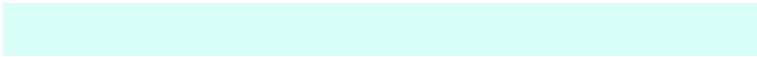
20.3446, 21.4041, 23.3091

Same Dimension

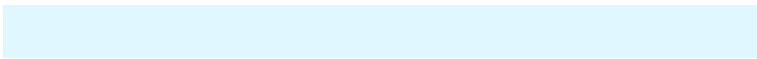
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4446, 94.1450, 102.5822



80.9916, 92.9097, 101.1471



81.9705, 89.4264, 107.5485



18.3690, 20.4071, 22.2463



24.0364, 39.5112, 34.4068



2.3813, 3.8634, 3.5657

Inverse Universe

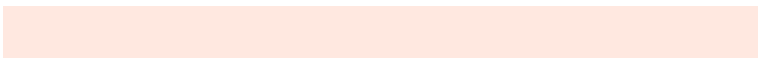
The Inverse Universe completely reimagines the original color for something new.



82.3200, 80.3418, 86.7702



79.6317, 76.2142, 82.0239



83.6269, 84.5062, 82.4261



18.1773, 18.0542, 19.5508



21.9881, 11.2845, 3.3218



2.1801, 1.1144, 0.5298

Previews

White Background



This preview shows how the XYZ color 83.4437, 94.1446, 102.5807 looks on a white background.

Color Contrast Check

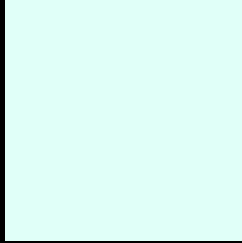
Large Text (above 18pt) WCAG AA × Fail

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 83.4437, 94.1446, 102.5807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

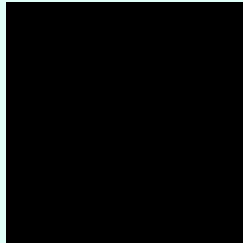
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

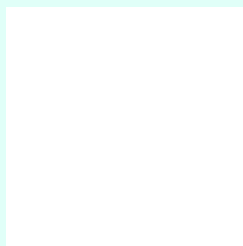
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4437, 94.1446, 102.5807

Background



This preview shows how black text looks on a background with the XYZ color 83.4437, 94.1446, 102.5807.



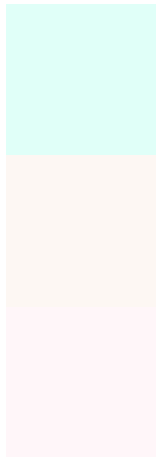
This preview shows how white text looks on a background with the XYZ color 83.4437, 94.1446,

102.5807.

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

83.4437, 94.1446, 102.5807

Protanopia

89.9464, 93.8752, 98.1731

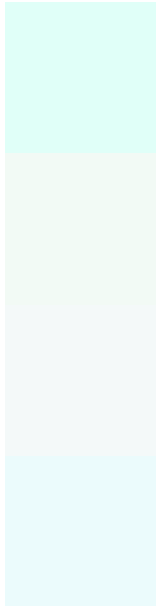
Deuteranopia

91.2947, 94.0111, 102.9567

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

83.4437, 94.1446, 102.5807

Protanomaly

87.2850, 93.8410, 99.8989

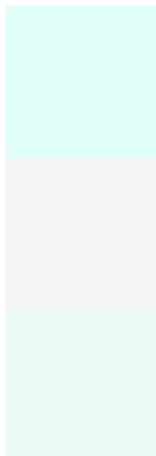
Deuteranomaly

88.2828, 93.8240, 103.0794

Tritanomaly

86.3288, 93.6848, 105.6284

Monochromacy



Original Color

83.4437, 94.1446, 102.5807

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 83.4437, 94.1446, 102.5807 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 83.4437, 94.1446, 102.5807 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, 248) }
```


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

```
.border{ border-color:rgb(224, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4437, 94.1446, 102.5807 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, 248) }
```

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

```
.background{ background-color: rgb(224,  
255, 248) }
```

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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