

Converting Colors

XYZ(83.2962, 94.1921, 96.9899)

Have a look what the booklet for
XYZ(83.2962, 94.1921, 96.9899)
contains.

XYZ(83.3157, 94.2018, 97.0106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.3157, 94.2018,
97.0106)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFF1
RGB	227, 255, 241
RGB Percent	89%, 100%, 95%
CMY	0.1098, 0.0000, 0.0549
CMYK	0.11, 0.00, 0.05, 0.00
HSL	150°, 100%, 95%
HSV	150°, 11%, 100%
XYZ	83.3157, 94.2018, 97.0106
YIQ	245.0320, -12.1940, -10.2900

Conversions

Conversions Part 2

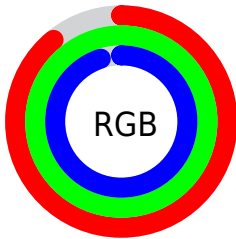
Format	Color
R _Y B	227, 246, 255
Decimal	14942193
CIE Lab	97.71, -11.62, 3.61
CIE LCh	98, 12.171, 162.756
Yxy	94.2018, 0.3035, 0.3431
Android (android.graphics.Color)	4293132273 (0xFFE3FFF1)
YUV	245.0320, -1.9878, -15.8141
Hunter-Lab	97.0576, -16.6238, 8.6790

Details

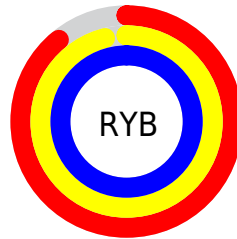
The XYZ color **83.3157, 94.2018, 97.0106** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.5867, 82.5499, 94.6945**, and the grayscale version is **86.8388, 91.3612, 99.4924**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7456, 52.5489, 53.6308** is the 20% darker color. If you saturate the color by 10%, you get **74.0212, 89.6226, 86.9804**, and if you desaturate by 10%, it is **93.9363, 99.4490, 107.8015**.

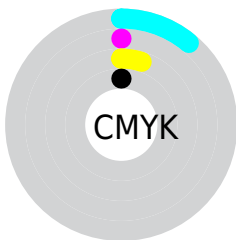
Distribution



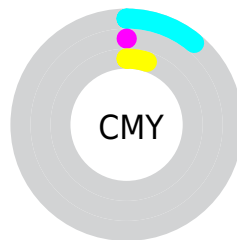
- Red (89%)
- Green (100%)
- Blue (95%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3157, 94.2018, 97.0106 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 83.3157, 94.2018, 97.0106 by changing the saturation by 10% instead.

83.3157, 94.2018,
97.0106

83.3157, 94.2018,
97.0106

494.6061,
541.6065, 571.7298

62.7684, 71.4708,
73.2034

136.9438,
153.1614, 159.0588

45.9118, 52.7265,
53.6495

170.7553,
190.1588, 198.1369

32.3806, 37.5845,
37.9302

209.7189,
232.6805, 243.1424

21.8093, 25.6604,
25.6271

254.1999,
281.1108, 294.4939

13.8327, 16.5697,
16.3216

304.5639,
335.8341, 352.6098

8.0853, 9.9282,
9.5952

361.1759,

4.2018, 5.3514,

397.2349, 417.9087

5.0293

424.4016,
465.6976, 490.8092

■ 1.8169, 2.4549,
2.2054

■ 0.5278, 0.8539,
0.6775

■ 83.3157, 94.2018,
97.0106

■ 83.3157, 94.2018,
97.0106

■ 74.0212, 89.6226,
86.9804

93.9363, 99.4490,
107.8015

■ 65.9954, 85.6825,
77.6898

95.0500, 100.0000,
108.9000

■ 59.1804, 82.3518,
69.1230

■ 53.5125, 79.5980,
61.2618

■ 48.9220, 77.3855,
54.0874

■ 45.3309, 75.6746,
47.5800

■ 42.6504, 74.4197,
41.7185

■ 40.7742, 73.5665,
36.4802

■ 39.6240, 73.0656,
32.2677

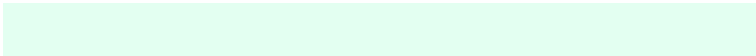
Harmonies

Analogous

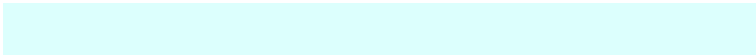
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0838, 94.2018, 89.1735



83.3157, 94.2018, 97.0106



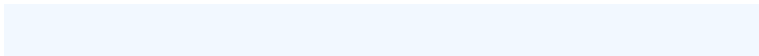
83.1869, 94.2018, 106.8456

Triad

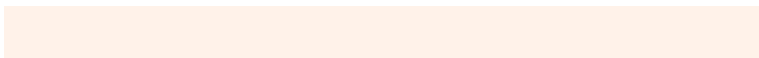
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3157, 94.2018, 97.0106



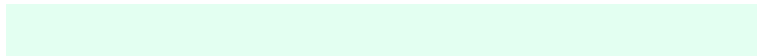
91.0168, 94.2018, 122.3514



94.5233, 94.2018, 90.1405

Complementary

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



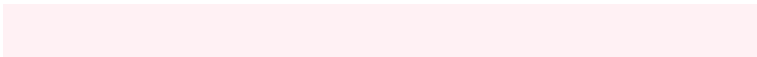
83.3157, 94.2018, 97.0106



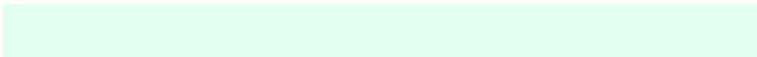
84.5867, 82.5499, 94.6945

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.



96.2002, 94.2018, 98.4095



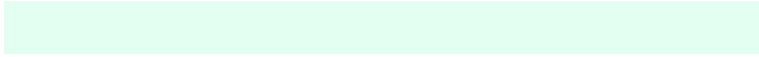
83.3157, 94.2018, 97.0106



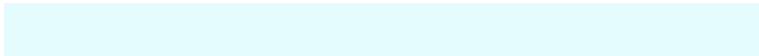
94.1408, 94.2018, 117.2447

Square

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



83.3157, 94.2018, 97.0106



87.5732, 94.2018, 121.9164



96.0584, 94.2018, 108.3373



91.5278, 94.2018, 85.3863

Rectangle

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



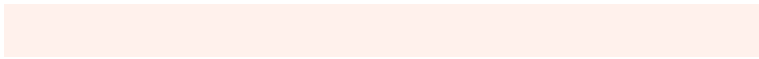
83.3157, 94.2018, 97.0106



84.0430, 94.2018, 113.2563



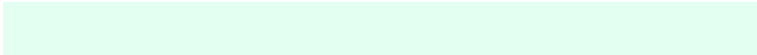
96.0584, 94.2018, 108.3373



95.2633, 94.2018, 92.5775

Sweetspot

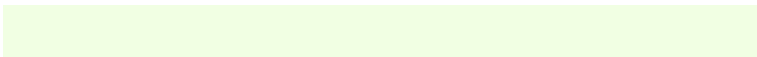
The Sweet Spot groups the original color and five complimentary colors.



83.3165, 94.2021, 97.0121



91.6816, 98.3339, 105.5599



85.9013, 95.7671, 86.6316



19.4354, 20.9545, 22.4056



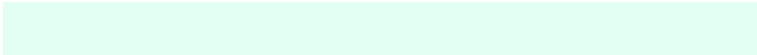
0.0000, 0.0000, 0.0000



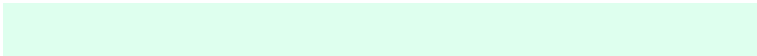
20.3446, 21.4041, 23.3091

Same Dimension

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



83.3165, 94.2021, 97.0121



81.3336, 93.2240, 94.9249



85.4891, 95.0712, 108.4526



18.1504, 20.3197, 21.0950



20.7798, 38.2085, 17.2574



2.0784, 3.7423, 1.9706

Inverse Universe

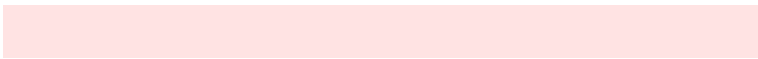
The Inverse Universe completely reimagines the original color for something new.



84.5867, 82.5499, 94.6945



82.8164, 79.6209, 92.2193



82.5749, 81.7452, 84.1005



18.3882, 18.1386, 20.6612



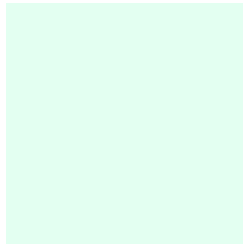
23.6426, 11.9463, 12.0342



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 83.3157, 94.2018, 97.0106 looks on a white background.

Color Contrast Check

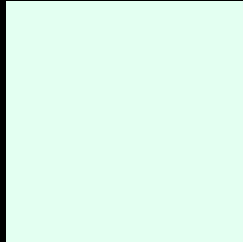
Large Text (above 18pt) WCAG AA × Fail

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 83.3157, 94.2018, 97.0106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

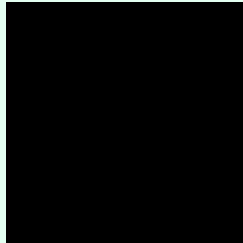
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

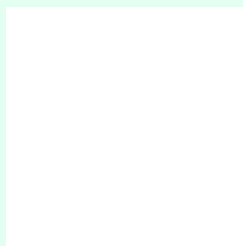
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3157, 94.2018, 97.0106

Background



This preview shows how black text looks on a background with the XYZ color 83.3157, 94.2018, 97.0106.



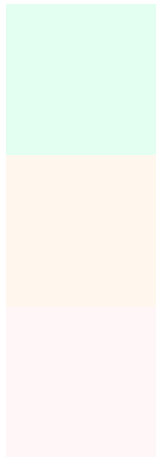
This preview shows how white text looks on a background with the XYZ color 83.3157, 94.2018,

97.0106.

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

83.3157, 94.2018, 97.0106

Protanopia

89.7868, 93.8960, 93.5122

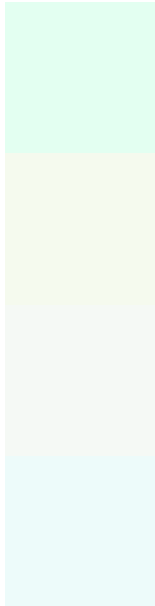
Deuteranopia

90.9843, 93.8869, 101.3223

Tritanopia

88.8878, 94.0260, 108.0717

Trichromacy



Original Color

83.3157, 94.2018, 97.0106

Protanomaly

87.2744, 93.9567, 94.4245

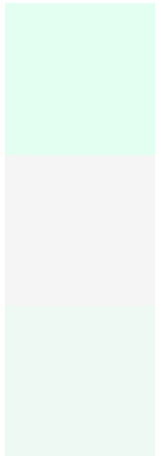
Deuteranomaly

88.0133, 93.7564, 99.8442

Tritanomaly

86.6776, 93.9010, 103.9988

Monochromacy



Original Color

83.3157, 94.2018, 97.0106

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4647, 92.4602, 98.9301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3157, 94.2018, 97.0106 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, 255, 241) looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 241)  
}
```

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, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 83.3157, 94.2018, 97.0106 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, 255, 241) }
```


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

```
.border{ border-color:rgb(227, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3157, 94.2018, 97.0106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 241) }
```

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

```
.background{ background-color: rgb(227,  
255, 241) }
```

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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