

Converting Colors

XYZ(84.7340, 100.0000,
92.7009)

Have a look what the booklet for
XYZ(84.7340, 100.0000, 92.7009)
contains.

XYZ(81.3518, 93.3078, 91.5644)	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(81.3518, 93.3078,
91.5644)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFEA
RGB	224, 255, 234
RGB Percent	88%, 100%, 92%
CMY	0.1216, 0.0000, 0.0823
CMYK	0.12, 0.00, 0.08, 0.00
HSL	139°, 100%, 94%
HSV	139°, 12%, 100%
XYZ	81.3518, 93.3078, 91.5644
YIQ	243.3370, -11.7350, -13.1030

Conversions

Conversions Part 2

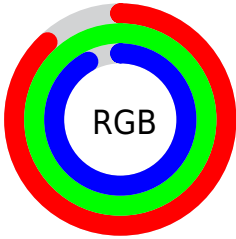
Format	Color
R _Y B	224, 247, 255
Decimal	14745578
CIE Lab	97.35, -13.86, 6.66
CIE LCh	97, 15.374, 154.343
Yxy	93.3078, 0.3056, 0.3505
Android (android.graphics.Color)	4292935658 (0xFFE0FFEA)
YUV	243.3370, -4.6031, -16.9585
Hunter-Lab	96.5960, -18.7127, 11.4155

Details

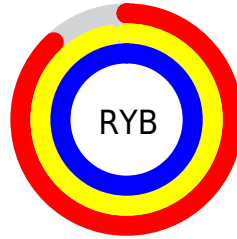
The XYZ color **81.3518, 93.3078, 91.5644** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.3776, 81.1649, 97.6055**, and the grayscale version is **85.5016, 89.9543, 97.9603**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5922, 52.0375, 49.8135** is the 20% darker color. If you saturate the color by 10%, you get **71.6703, 88.5897, 78.7825**, and if you desaturate by 10%, it is **92.4622, 98.7345, 105.6791**.

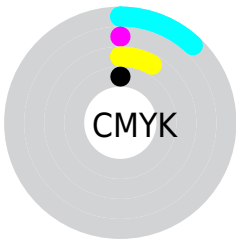
Distribution



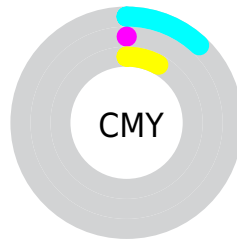
- Red (88%)
- Green (100%)
- Blue (92%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3518, 93.3078, 91.5644 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 81.3518, 93.3078, 91.5644 by changing the saturation by 10% instead.


 81.3518, 93.3078,
91.5644

 81.3518, 93.3078,
91.5644

488.1443,
538.7333, 553.8076

 61.1437, 70.7274,
68.6979


134.2052,
151.9247, 151.4640

 44.5941, 52.1197,
49.9955


167.5812,
188.7299, 189.3341

 31.3377, 37.1005,
35.0386

206.0772,
231.0455, 233.0425

 21.0093, 25.2853,
23.4089

250.0585,
279.2559, 283.0077

 13.2433, 16.2898,
14.6876

299.8905,
333.7455, 339.6483

 7.6744, 9.7294,
8.4562

355.9386,

 3.9374, 5.2199,

394.8987, 403.3828

4.2963

418.5681,
463.0998, 474.6297

■ 1.6668, 2.3769,
1.7893

■ 0.4353, 0.8140,
0.4209

■ 81.3518, 93.3078,
91.5644

■ 81.3518, 93.3078,
91.5644

■ 71.6703, 88.5897,
78.7825

■ 92.4622, 98.7345,
105.6791

■ 63.3557, 84.5491,
67.2903

95.0500, 100.0000,
108.9000

■ 56.3450, 81.1544,
57.0486

■ 50.5694, 78.3709,
48.0148

■ 45.9532, 76.1606,
40.1435

■ 42.4121, 74.4810,
33.3868

■ 39.8499, 73.2835,
27.6930

■ 38.1512, 72.5098,
23.0060

■ 37.2930, 72.1332,
19.9927

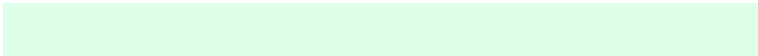
Harmonies

Analogous

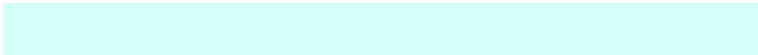
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0466, 93.3078, 83.0574



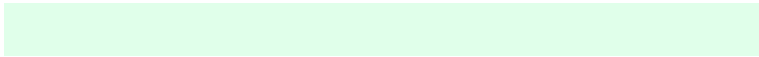
81.3518, 93.3078, 91.5644



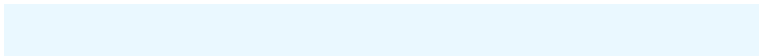
80.5975, 93.3078, 103.4228

Triad

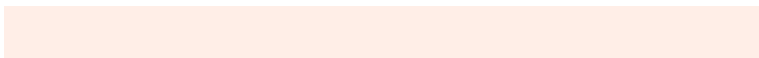
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3518, 93.3078, 91.5644



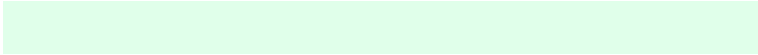
89.3217, 93.3078, 127.4285



95.7799, 93.3078, 88.6615

Complementary

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



81.3518, 93.3078, 91.5644



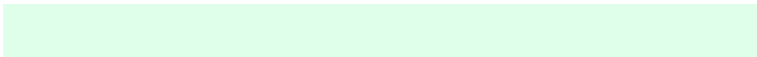
84.3776, 81.1649, 97.6055

Split Complementary

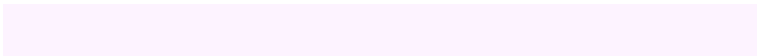
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.2988, 93.3078, 99.7915



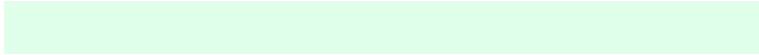
81.3518, 93.3078, 91.5644



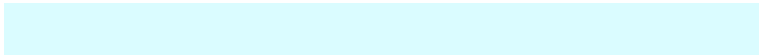
93.4936, 93.3078, 122.7070

Square

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



81.3518, 93.3078, 91.5644



85.1105, 93.3078, 124.7777



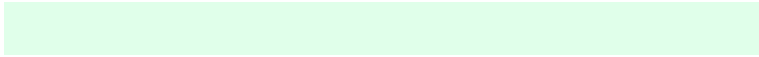
96.4488, 93.3078, 112.3355



92.3608, 93.3078, 81.4801

Rectangle

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



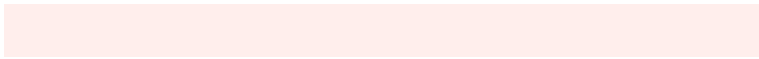
81.3518, 93.3078, 91.5644



81.2752, 93.3078, 111.8033



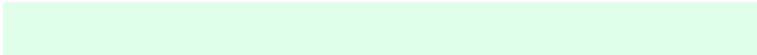
96.4488, 93.3078, 112.3355



96.5347, 93.3078, 92.0303

Sweetspot

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



81.3526, 93.3082, 91.5659



90.3038, 97.6795, 102.9751



86.9352, 96.3475, 84.5373



19.1433, 20.8168, 21.8076



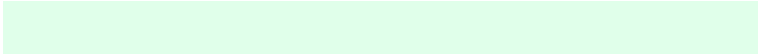
0.0000, 0.0000, 0.0000



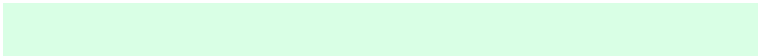
20.3446, 21.4041, 23.3091

Same Dimension

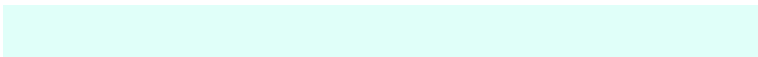
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3526, 93.3082, 91.5659



78.4564, 91.8956, 87.7967



83.6495, 94.2270, 103.6608



18.0131, 20.2648, 20.3718



19.5466, 37.7152, 10.7635



1.9507, 3.6912, 1.2982

Inverse Universe

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



84.3776, 81.1649, 97.6055



82.1149, 77.2075, 95.1001



82.1349, 80.2678, 85.7954



18.5287, 18.1948, 21.4015



25.5481, 12.7085, 22.0686



2.5376, 1.2574, 2.4122

Previews

White Background



This preview shows how the XYZ color 81.3518, 93.3078, 91.5644 looks on a white background.

Color Contrast Check

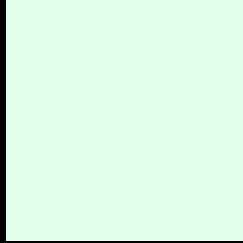
Large Text (above 18pt) WCAG AA × Fail

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 81.3518, 93.3078, 91.5644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

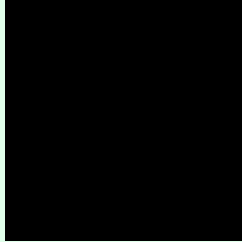
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

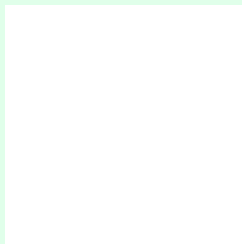
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3518, 93.3078, 91.5644

Background



This preview shows how black text looks on a background with the XYZ color 81.3518, 93.3078, 91.5644.



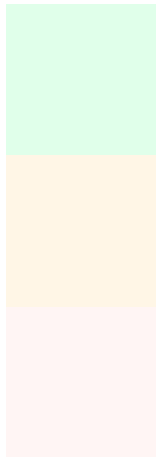
This preview shows how white text looks on a background with the XYZ color 81.3518, 93.3078,

91.5644.

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

81.3518, 93.3078, 91.5644

Protanopia

88.4787, 92.8847, 88.1281

Deuteranopia

90.2215, 93.0965, 98.8022

Tritanopia

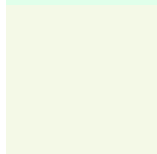
87.8930, 93.0556, 107.9368

Trichromacy



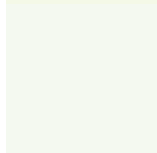
Original Color

81.3518, 93.3078, 91.5644



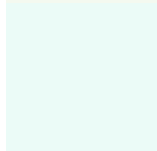
Protanomaly

85.6077, 92.7540, 88.9926



Deuteranomaly

86.9121, 93.2757, 95.8613



Tritanomaly

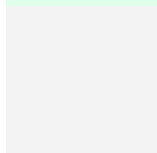
85.5466, 93.3719, 101.5095

Monochromacy



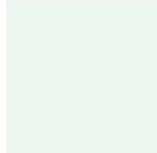
Original Color

81.3518, 93.3078, 91.5644



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.5810, 90.6457, 95.5292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3518, 93.3078, 91.5644 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 81.3518, 93.3078, 91.5644 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, 234) }
```


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

```
.border{ border-color:rgb(224, 255, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3518, 93.3078, 91.5644 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, 234) }
```

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

```
.background{ background-color: rgb(224,  
255, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor