

Converting Colors

XYZ(84.4994, 100.0000,
92.7649)

Have a look what the booklet for
XYZ(84.4994, 100.0000, 92.7649)
contains.

XYZ(81.0427, 93.1485, 91.5500)	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(81.0427, 93.1485,
91.5500)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFEA
RGB	223, 255, 234
RGB Percent	87%, 100%, 92%
CMY	0.1255, 0.0000, 0.0823
CMYK	0.13, 0.00, 0.08, 0.00
HSL	141°, 100%, 94%
HSV	141°, 13%, 100%
XYZ	81.0427, 93.1485, 91.5500
YIQ	243.0380, -12.3310, -13.3150

Conversions

Conversions Part 2

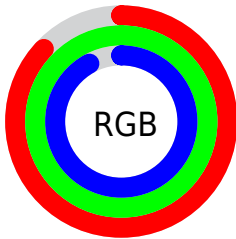
Format	Color
R_{YB}	223, 247, 255
Decimal	14680042
CIE _{Lab}	97.29, -14.18, 6.56
CIE _{LCh}	97, 15.624, 155.192
Yxy	93.1485, 0.3050, 0.3505
Android (android.graphics.Color)	4292870122 (0xFFDFFFEA)
YUV	243.0380, -4.4557, -17.5733
Hunter-Lab	96.5135, -19.0115, 11.3186

Details

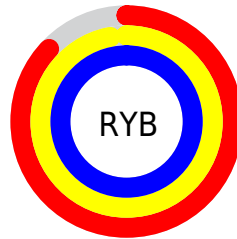
The XYZ color **81.0427, 93.1485, 91.5500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.9572, 80.5679, 96.7138**, and the grayscale version is **85.2626, 89.7029, 97.6864**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3784, 51.9274, 49.8035** is the 20% darker color. If you saturate the color by 10%, you get **71.4769, 88.4819, 79.1402**, and if you desaturate by 10%, it is **92.0204, 98.5166, 105.2141**.

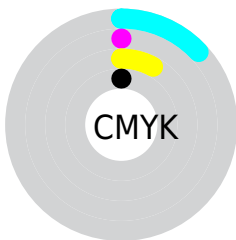
Distribution



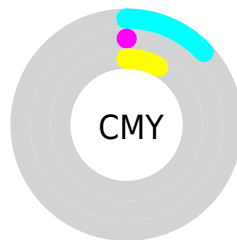
- Red (87%)
- Green (100%)
- Blue (92%)



- Red (87%)
- Yellow (97%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.0427, 93.1485, 91.5500 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 81.0427, 93.1485, 91.5500 by changing the saturation by 10% instead.


 81.0427, 93.1485,
91.5500

 81.0427, 93.1485,
91.5500


487.1231,
538.2205, 553.7598

 60.8882, 70.5949,
68.6860


133.7736,
151.7042, 151.4438

 44.3871, 52.0117,
49.9858


167.0806,
188.4751, 189.3107

 31.1742, 37.0144,
35.0311


205.5026,
230.7539, 233.0156

 20.8840, 25.2186,
23.4031

249.4048,
278.9251, 282.9772

 13.1512, 16.2400,
14.6833

299.1525,
333.3729, 339.6138

 7.6105, 9.6942,
8.4533

355.1113,

 3.8964, 5.1967,

394.4818, 403.3441

4.2944

417.6464,
462.6362, 474.5866

■ 1.6437, 2.3631,
1.7882

■ 0.4206, 0.8068,
0.4202

■ 81.0427, 93.1485,
91.5500

■ 81.0427, 93.1485,
91.5500

■ 71.4769, 88.4819,
79.1402

■ 92.0204, 98.5166,
105.2141

■ 63.2616, 84.4860,
67.9449

95.0500, 100.0000,
108.9000

■ 56.3343, 81.1294,
57.9285

■ 50.6267, 78.3776,
49.0519

■ 46.0635, 76.1926,
41.2740

■ 42.5611, 74.5322,
34.5512

■ 40.0234, 73.3479,
28.8365

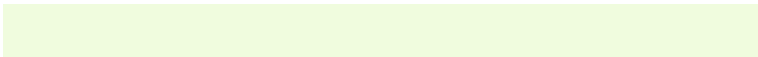
■ 38.3353, 72.5811,
24.0793

■ 37.5075, 72.2190,
21.1224

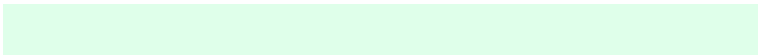
Harmonies

Analogous

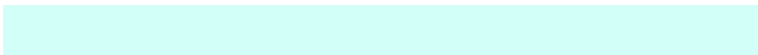
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7269, 93.1485, 82.8049



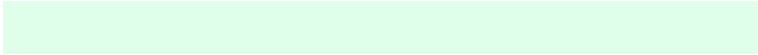
81.0427, 93.1485, 91.5500



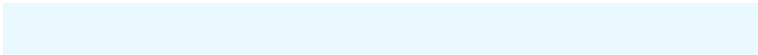
80.3383, 93.1485, 103.6414

Triad

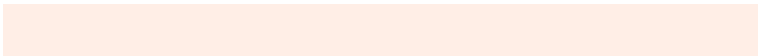
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0427, 93.1485, 91.5500



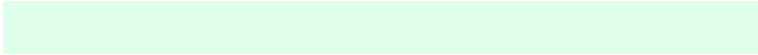
89.3061, 93.1485, 127.6435



95.6630, 93.1485, 88.0329

Complementary

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



81.0427, 93.1485, 91.5500



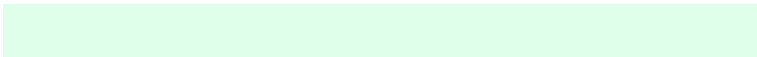
83.9572, 80.5679, 96.7138

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.



97.2708, 93.1485, 99.2362



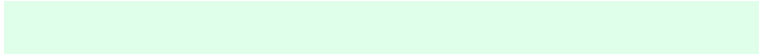
81.0427, 93.1485, 91.5500



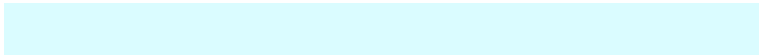
93.5234, 93.1485, 122.6413

Square

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



81.0427, 93.1485, 91.5500



85.0169, 93.1485, 125.1582



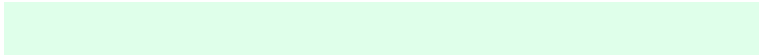
96.4751, 93.1485, 111.9812



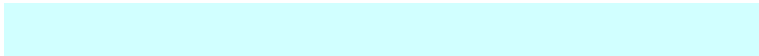
92.1486, 93.1485, 80.8958

Rectangle

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



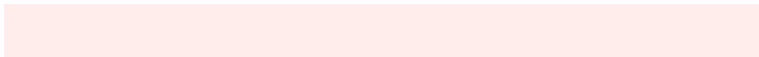
81.0427, 93.1485, 91.5500



81.0654, 93.1485, 112.1394



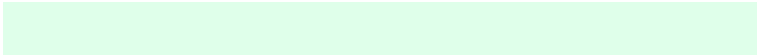
96.4751, 93.1485, 111.9812



96.4496, 93.1485, 91.4119

Sweetspot

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



81.0435, 93.1489, 91.5515



90.3373, 97.6929, 103.1518



86.5037, 96.1407, 83.8110



19.1518, 20.8202, 21.8523



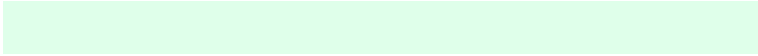
0.0000, 0.0000, 0.0000



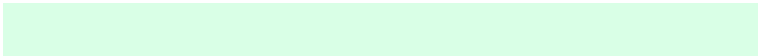
20.3446, 21.4041, 23.3091

Same Dimension

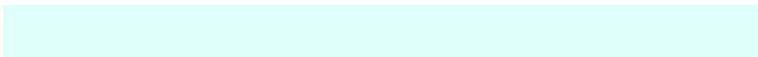
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0435, 93.1489, 91.5515



78.5698, 91.9410, 88.3942



83.3951, 94.0895, 103.9346



18.0293, 20.2712, 20.4572



19.6613, 37.7611, 11.3677



1.9633, 3.6963, 1.3648

Inverse Universe

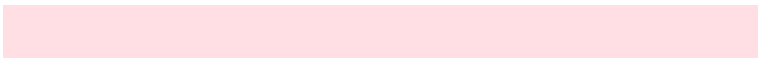
The Inverse Universe completely reimagines the original color for something new.



83.9572, 80.5679, 96.7138



81.9930, 77.1587, 94.4584



81.6782, 79.6563, 84.7129



18.5118, 18.1880, 21.3122



25.2827, 12.6024, 20.6707



2.5131, 1.2476, 2.2833

Previews

White Background



This preview shows how the XYZ color 81.0427, 93.1485, 91.5500 looks on a white background.

Color Contrast Check

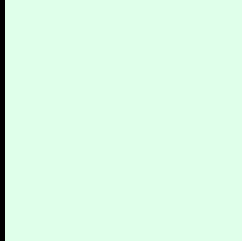
Large Text (above 18pt) WCAG AA × Fail

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 81.0427, 93.1485, 91.5500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

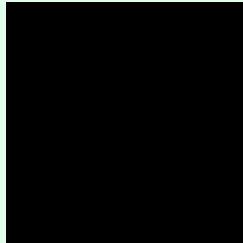
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

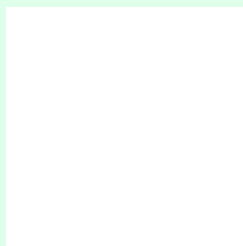
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0427, 93.1485, 91.5500

Background



This preview shows how black text looks on a background with the XYZ color 81.0427, 93.1485, 91.5500.



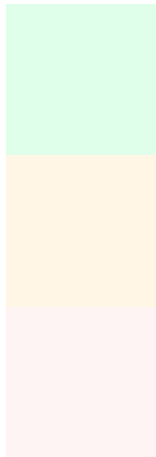
This preview shows how white text looks on a background with the XYZ color 81.0427, 93.1485,

91.5500.

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

81.0427, 93.1485, 91.5500

Protanopia

88.4787, 92.8847, 88.1281

Deuteranopia

89.9198, 92.4930, 98.7016



Tritanopia

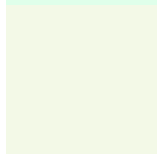
87.8930, 93.0556, 107.9368

Trichromacy



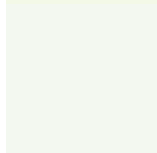
Original Color

81.0427, 93.1485, 91.5500



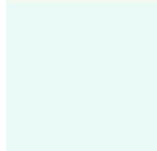
Protanomaly

85.2616, 92.5756, 88.9764



Deuteranomaly

86.2577, 92.4808, 95.7424



Tritanomaly

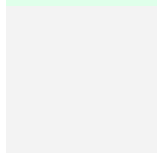
85.2174, 93.2022, 101.4941

Monochromacy



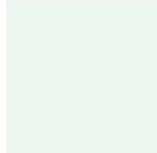
Original Color

81.0427, 93.1485, 91.5500



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 81.0427, 93.1485, 91.5500 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(223, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 81.0427, 93.1485, 91.5500 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(223, 255, 234) }
```


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

```
.border{ border-color:rgb(223, 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(223, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0427, 93.1485, 91.5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 234) }
```

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

```
.background{ background-color: rgb(223,  
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