

Converting Colors

XYZ(81.2070, 93.1616, 94.7900)

Have a look what the booklet for
XYZ(81.2070, 93.1616, 94.7900)
contains.

XYZ(81.3168, 93.2226, 94.5968) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(81.3168, 93.2226,
94.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFEE
RGB	222, 255, 238
RGB Percent	87%, 100%, 93%
CMY	0.1294, 0.0000, 0.0667
CMYK	0.13, 0.00, 0.07, 0.00
HSL	149°, 100%, 94%
HSV	149°, 13%, 100%
XYZ	81.3168, 93.2226, 94.5968
YIQ	243.1950, -14.2110, -12.2830

Conversions

Conversions Part 2

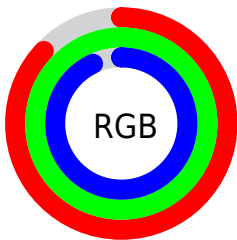
Format	Color
R_{YB}	222, 244, 255
Decimal	14614510
CIE _{Lab}	97.32, -13.78, 4.54
CIE _{LCh}	97, 14.505, 161.777
Yxy	93.2226, 0.3021, 0.3464
Android (android.graphics.Color)	4292804590 (0xFFDEFFEE)
YUV	243.1950, -2.5611, -18.5880
Hunter-Lab	96.5519, -18.6315, 9.4968

Details

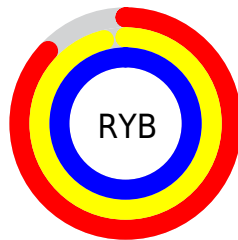
The XYZ color **81.3168, 93.2226, 94.5968** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.9418, 79.7356, 92.6804**, and the grayscale version is **85.3741, 89.8202, 97.8142**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5739, 51.9811, 51.9400** is the 20% darker color. If you saturate the color by 10%, you get **72.2281, 88.7521, 84.4625**, and if you desaturate by 10%, it is **91.7293, 98.3592, 105.5311**.

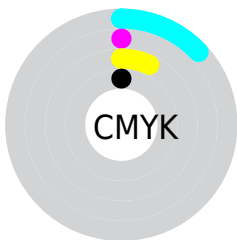
Distribution



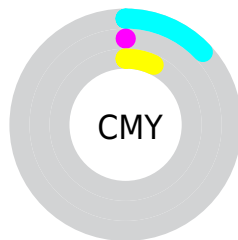
- Red (87%)
- Green (100%)
- Blue (93%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3168, 93.2226, 94.5968 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 81.3168, 93.2226, 94.5968 by changing the saturation by 10% instead.


 81.3168, 93.2226,
94.5968

 81.3168, 93.2226,
94.5968


488.0288,
538.4590, 563.8247

 61.1147, 70.6565,
71.2044


134.1563,
151.8068, 155.6982

 44.5707, 52.0620,
52.0262


167.5245,
188.5936, 194.2444

 31.3192, 37.0545,
36.6435

206.0121,
230.8896, 238.6788

 20.9951, 25.2497,
24.6380

249.9845,
279.0790, 289.4201

 13.2328, 16.2632,
15.5910

299.8070,
333.5462, 346.8868

 7.6672, 9.7106,
9.0840

355.8449,

 3.9327, 5.2075,

394.6757, 411.4974

4.6984

418.4637,
462.8519, 483.6706

■ 1.6641, 2.3695,
2.0158

■ 0.4337, 0.8101,
0.5650

■ 81.3168, 93.2226,
94.5968

■ 81.3168, 93.2226,
94.5968

■ 72.2281, 88.7521,
84.4625

■ 91.7293, 98.3592,
105.5311

■ 64.4047, 84.9180,
75.1055

95.0500, 100.0000,
108.9000

■ 57.7875, 81.6902,
66.5085

■ 52.3115, 79.0354,
58.6517

■ 47.9052, 76.9173,
51.5144

■ 44.4887, 75.2950,
45.0749

■ 41.9698, 74.1214,
39.3102

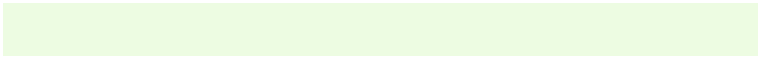
■ 40.2373, 73.3398,
34.1952

■ 39.3755, 72.9662,
30.9592

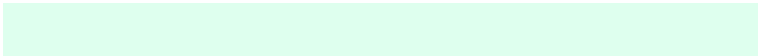
Harmonies

Analogous

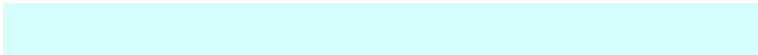
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4495, 93.2226, 85.5604



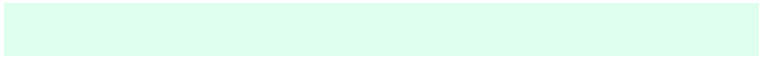
81.3168, 93.2226, 94.5968



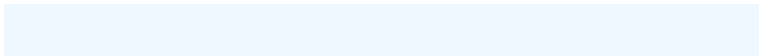
81.1001, 93.2226, 106.1882

Triad

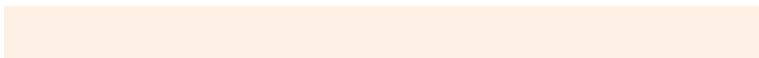
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3168, 93.2226, 94.5968



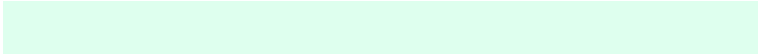
90.2263, 93.2226, 125.2826



94.6234, 93.2226, 87.1743

Complementary

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



81.3168, 93.2226, 94.5968



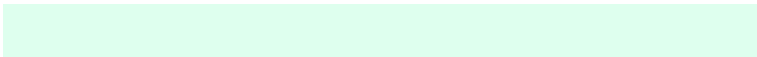
82.9418, 79.7356, 92.6804

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.



96.5598, 93.2226, 96.9588



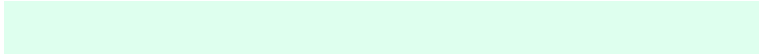
81.3168, 93.2226, 94.5968



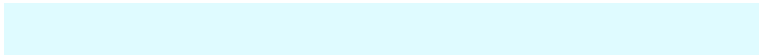
93.9692, 93.2226, 119.3135

Square

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



81.3168, 93.2226, 94.5968



86.1596, 93.2226, 124.5272



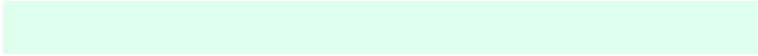
96.3168, 93.2226, 108.7386



91.0968, 93.2226, 81.5086

Rectangle

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



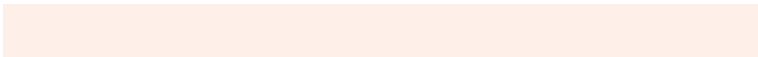
81.3168, 93.2226, 94.5968



82.0627, 93.2226, 113.8806



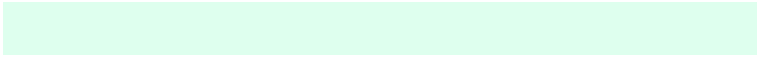
96.3168, 93.2226, 108.7386



95.4867, 93.2226, 90.0574

Sweetspot

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



81.3177, 93.2230, 94.5983



90.5619, 97.7827, 104.3344



84.5589, 95.1536, 83.0183



19.2086, 20.8429, 22.1512



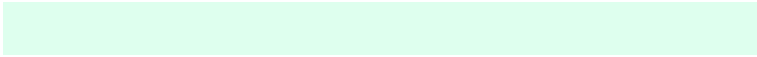
0.0000, 0.0000, 0.0000



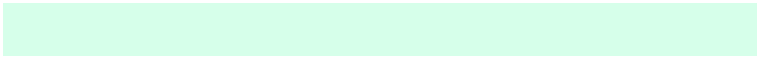
20.3446, 21.4041, 23.3091

Same Dimension

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



81.3177, 93.2230, 94.5983



78.3988, 91.7858, 91.4134



83.8463, 94.2345, 107.9141



18.1385, 20.3149, 21.0325



20.6493, 38.1563, 16.5704



2.0655, 3.7371, 1.9026

Inverse Universe

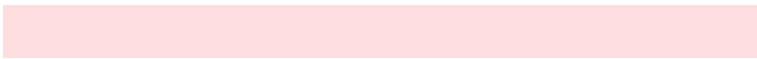
The Inverse Universe completely reimagines the original color for something new.



82.9418, 79.7356, 92.6804



80.3640, 75.4652, 89.0924



80.6207, 78.8071, 80.4578



18.4000, 18.1433, 20.7238



23.7779, 12.0005, 12.7469



2.3704, 1.1905, 1.5319

Previews

White Background



This preview shows how the XYZ color 81.3168, 93.2226, 94.5968 looks on a white background.

Color Contrast Check

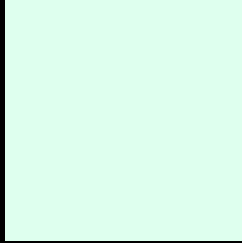
Large Text (above 18pt) WCAG AA × Fail

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 81.3168, 93.2226, 94.5968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

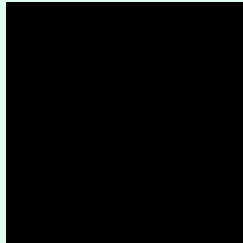
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

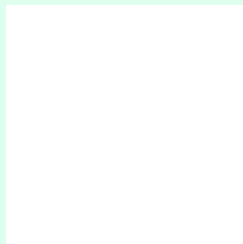
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3168, 93.2226, 94.5968

Background



This preview shows how black text looks on a background with the XYZ color 81.3168, 93.2226, 94.5968.



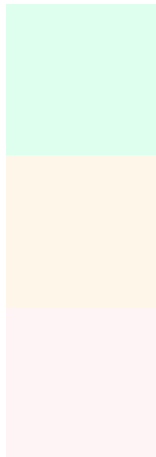
This preview shows how white text looks on a background with the XYZ color 81.3168, 93.2226,

94.5968.

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

81.3168, 93.2226, 94.5968

Protanopia

88.5368, 92.8656, 90.3492

Deuteranopia

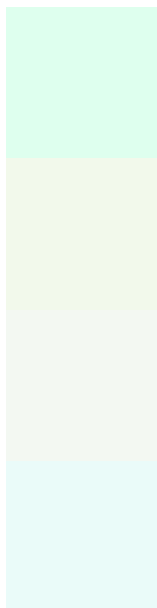
90.0721, 92.5539, 99.5036



Tritanopia

87.8930, 93.0556, 107.9368

Trichromacy



Original Color

81.3168, 93.2226, 94.5968

Protanomaly

85.4890, 92.6268, 91.9703

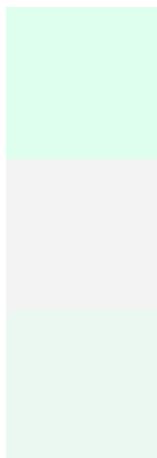
Deuteranomaly

86.5566, 92.6003, 97.3160

Tritanomaly

85.5277, 93.3263, 103.1285

Monochromacy



Original Color

81.3168, 93.2226, 94.5968

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.3989, 90.5346, 96.2984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3168, 93.2226, 94.5968 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(222, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 238)  
}
```

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(222, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 81.3168, 93.2226, 94.5968 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(222, 255, 238) }
```


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

```
.border{ border-color:rgb(222, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3168, 93.2226, 94.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 238) }
```

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

```
.background{ background-color: rgb(222,  
255, 238) }
```

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