

# Converting Colors

XYZ(82.2585, 93.1158, 91.7666)

Have a look what the booklet for  
XYZ(82.2585, 93.1158, 91.7666)  
contains.

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# Color

**XYZ(82.2880, 93.3181,  
91.5171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FEEA
RGB	228, 254, 234
RGB Percent	89%, 100%, 92%
CMY	0.1059, 0.0039, 0.0823
CMYK	0.10, 0.00, 0.08, 0.00
HSL	134°, 93%, 95%
HSV	134°, 10%, 100%
XYZ	82.2880, 93.3181, 91.5171
YIQ	243.9460, -9.0760, -11.7320

# Conversions

## Conversions Part 2

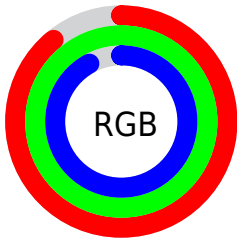
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 249, 254
Decimal	15007466
CIE Lab	97.36, -12.06, 6.70
CIE LCh	97, 13.796, 150.962
Yxy	93.3181, 0.3081, 0.3493
Android (android.graphics.Color)	4293197546 (0xFFE4FEEA)
YUV	243.9460, -4.9034, -13.9846
Hunter-Lab	96.6013, -17.0004, 11.4514

# Details

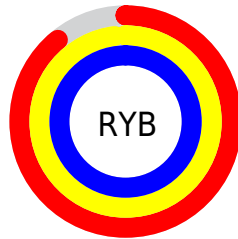
The XYZ color **82.2880, 93.3181, 91.5171** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.5631, 83.3372, 100.3873**, and the grayscale version is **85.9913, 90.4695, 98.5213**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0154, 51.9175, 49.7680** is the 20% darker color. If you saturate the color by 10%, you get **72.1605, 88.4065, 77.1893**, and if you desaturate by 10%, it is **93.9142, 98.9718, 107.5350**.

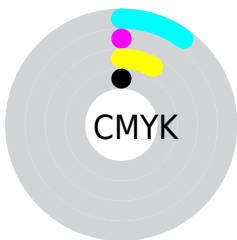
# Distribution



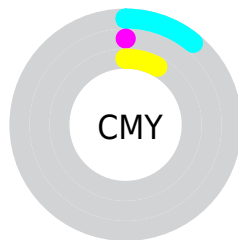
- Red (89%)
- Green (100%)
- Blue (92%)



- Red (89%)
- Yellow (98%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2880, 93.3181, 91.5171 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 82.2880, 93.3181, 91.5171 by changing the saturation by 10% instead.



 82.2880, 93.3181,  
91.5171

 82.2880, 93.3181,  
91.5171


491.2304,  
538.7664, 553.6506

 61.9179, 70.7359,  
68.6588


135.5115,  
151.9389, 151.3978

 45.2217, 52.1267,  
49.9639

169.0956,  
188.7464, 189.2573

 31.8341, 37.1061,  
35.0137


207.8151,  
231.0644, 232.9543

 21.3897, 25.2896,  
23.3898

252.0353,  
279.2773, 282.9073

 13.5233, 16.2930,  
14.6736

302.1216,  
333.7696, 339.5349

 7.8693, 9.7317,  
8.4466

358.4393,

 4.0625, 5.2214,

394.9256, 403.2557

4.2902

421.3538,  
463.1298, 474.4880

■ 1.7376, 2.3778,  
1.7858

■ 0.4796, 0.8144,  
0.4186

■ 82.2880, 93.3181,  
91.5171

■ 82.2880, 93.3181,  
91.5171

■ 72.1605, 88.4065,  
77.1893

■ 93.9142, 98.9718,  
107.5350

■ 63.4624, 84.1945,  
64.4904

■ 94.7336, 99.3672,  
108.7945

■ 56.1307, 80.6535,  
53.3645

■ 50.0943, 77.7483,  
43.7499

■ 45.2759, 75.4401,  
35.5813

■ 41.5893, 73.6861,  
28.7881

■ 38.9370, 72.4376,  
23.2941

■ 37.2034, 71.6369,  
19.0153

■ 36.2230, 71.1989,  
15.9186

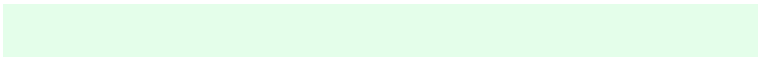
# Harmonies

## Analogous

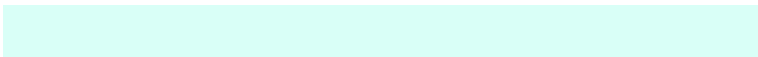
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8865, 93.3181, 84.2505



82.2880, 93.3181, 91.5171



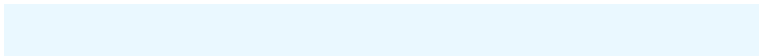
81.3939, 93.3181, 101.9694

# Triad

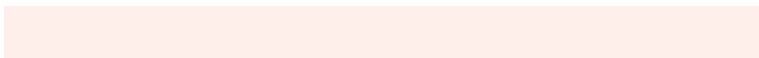
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2880, 93.3181, 91.5171



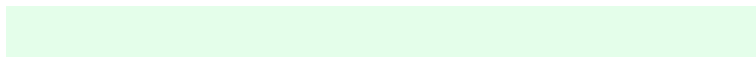
88.8223, 93.3181, 124.6762



95.2960, 93.3181, 90.9345

# Complementary

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



82.2880, 93.3181, 91.5171



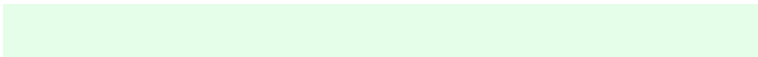
85.5631, 83.3372, 100.3873

# 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.



96.4224, 93.3181, 101.2465



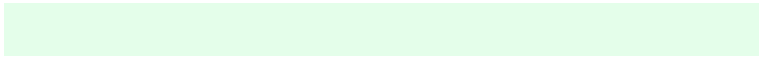
82.2880, 93.3181, 91.5171



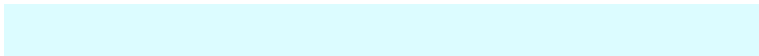
92.6179, 93.3181, 121.1983

# Square

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



82.2880, 93.3181, 91.5171



85.0990, 93.3181, 121.6053



95.4284, 93.3181, 112.4137

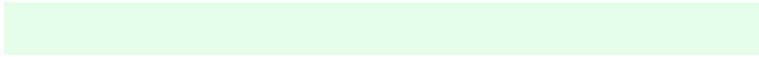


92.3931, 93.3181, 83.9319



# Rectangle

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



82.2880, 93.3181, 91.5171



81.8634, 93.3181, 109.5016



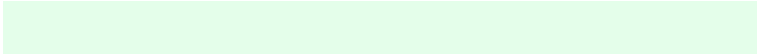
95.4284, 93.3181, 112.4137



95.8987, 93.3181, 94.1023

# Sweetspot

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



82.2906, 93.3221, 91.5192



91.3582, 98.2046, 103.8571



88.2906, 96.5131, 87.3755



19.3483, 20.9196, 21.9469



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

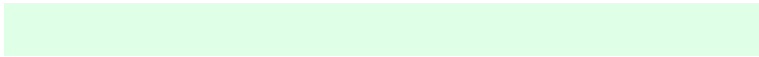


# Same Dimension

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



82.2906, 93.3221, 91.5192



81.1136, 93.2269, 89.6624



84.1717, 94.0745, 101.4248



17.9432, 20.2368, 20.0041



19.1424, 37.5536, 8.6354



1.9035, 3.6723, 1.0497



# Inverse Universe

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



85.5631, 83.3372, 100.3873



84.9371, 81.5601, 100.0235



83.6678, 82.5791, 90.4070



18.6028, 18.2244, 21.7915



26.8247, 13.2192, 28.7909

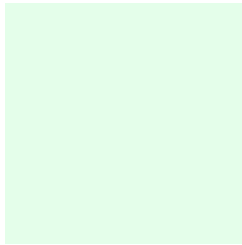


2.6534, 1.3037, 3.0219



# Previews

## White Background



This preview shows how the XYZ color 82.2880, 93.3181, 91.5171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

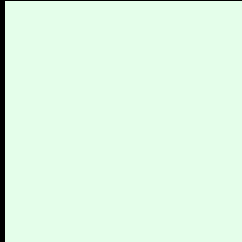
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2880, 93.3181, 91.5171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

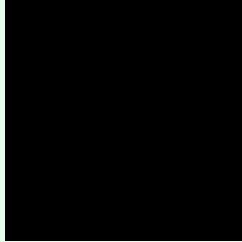
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

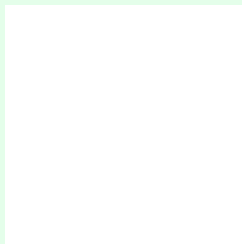
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.2880, 93.3181, 91.5171

## Background



This preview shows how black text looks on a background with the XYZ color 82.2880, 93.3181, 91.5171.



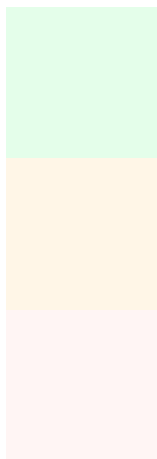
This preview shows how white text looks on a background with the XYZ color 82.2880, 93.3181, 91.5171.

91.5171.

# 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

82.2880, 93.3181, 91.5171

### Protanopia

88.6196, 92.9411, 88.8700

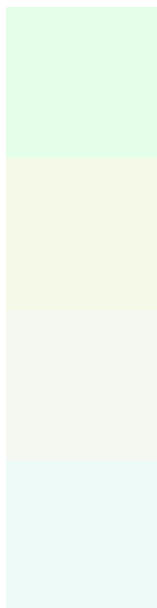
### Deuteranopia

90.2215, 93.0965, 98.8022

## **Tritanopia**

88.2354, 93.2320, 107.9528

# Trichromacy



## Original Color

82.2880, 93.3181, 91.5171

## Protanomaly

86.0974, 92.9900, 89.7550

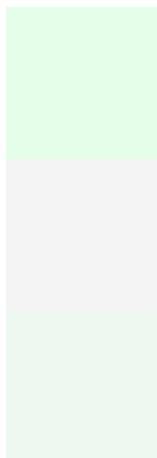
## Deuteranomaly

86.9518, 92.8386, 95.7749

## Tritanomaly

85.8992, 93.0911, 101.4367

# Monochromacy



## Original Color

82.2880, 93.3181, 91.5171

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.5555, 91.6032, 95.6627

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2880, 93.3181, 91.5171 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(228, 254, 234) looks like.

```
.text, #text, p{  
    color:rgb(228, 254, 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(228, 254, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 254, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2880, 93.3181, 91.5171 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(228, 254, 234) }
```



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

```
.border{ border-color:rgb(228, 254, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 254, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 254, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 254, 234);  
box-shadow:4px 4px 4px 4px rgb(228, 254,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2880, 93.3181, 91.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 254, 234) }
```

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

```
.background{ background-color: rgb(228,  
254, 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](#).

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