

# Converting Colors

XYZ(81.7227, 93.5753, 88.1375)

Have a look what the booklet for  
XYZ(81.7227, 93.5753, 88.1375)  
contains.

<b>XYZ(81.5814, 93.5080, 87.8778)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.5814, 93.5080,  
87.8778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFE5
RGB	227, 255, 229
RGB Percent	89%, 100%, 90%
CMY	0.1098, 0.0000, 0.1020
CMYK	0.11, 0.00, 0.10, 0.00
HSL	124°, 100%, 95%
HSV	124°, 11%, 100%
XYZ	81.5814, 93.5080, 87.8778
YIQ	243.6640, -8.3420, -14.0220

# Conversions

## Conversions Part 2

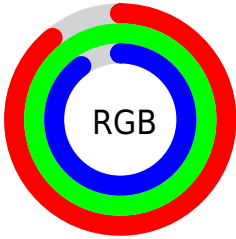
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 253, 255
Decimal	14942181
CIE <sub>Lab</sub>	97.43, -13.76, 9.36
CIE <sub>LCh</sub>	97, 16.646, 145.764
Yxy	93.5080, 0.3102, 0.3556
Android (android.graphics.Color)	4293132261 (0xFFE3FFE5)
YUV	243.6640, -7.2294, -14.6143
Hunter-Lab	96.6995, -18.6311, 13.8086

# Details

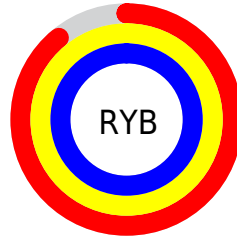
The XYZ color **81.5814, 93.5080, 87.8778** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.4391, 83.2909, 104.4491**, and the grayscale version is **85.7808, 90.2481, 98.2801**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6287, 52.1021, 47.7489** is the 20% darker color. If you saturate the color by 10%, you get **71.0410, 88.4306, 71.2873**, and if you desaturate by 10%, it is **93.7655, 99.3807, 106.9019**.

# Distribution



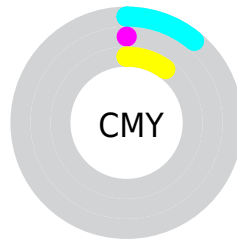
- Red (89%)
- Green (100%)
- Blue (90%)



- Red (89%)
- Yellow (99%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5814, 93.5080, 87.8778 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 81.5814, 93.5080, 87.8778 by changing the saturation by 10% instead.




 81.5814, 93.5080,  
87.8778

 81.5814, 93.5080,  
87.8778


488.9022,  
539.3774, 541.4939

 61.3335, 70.8938,  
65.6581


134.5257,  
152.2017, 146.2967

 44.7479, 52.2555,  
47.5402


167.9528,  
189.0501, 183.3329

 31.4593, 37.2088,  
33.1055


206.5037,  
231.4119, 226.1451

 21.1024, 25.3692,  
21.9355

250.5437,  
279.6716, 275.1517

 13.3118, 16.3523,  
13.6116

300.4382,  
334.2136, 330.7714

 7.7221, 9.7738,  
7.7154

356.5525,

 3.9679, 5.2492,

395.4223, 393.4226

3.8282

419.2521,  
463.6821, 463.5240

■ 1.6840, 2.3942,  
1.5316

■ 0.4462, 0.8229,  
0.2413

■ 81.5814, 93.5080,  
87.8778

■ 81.5814, 93.5080,  
87.8778

■ 71.0410, 88.4306,  
71.2873

■ 93.7655, 99.3807,  
106.9019

■ 62.0718, 84.1131,  
57.0282

■ 95.0500, 100.0000,  
108.9000

■ 54.5989, 80.5192,  
44.9972

■ 48.5410, 77.6094,  
35.0820

■ 43.8084, 75.3401,  
27.1601

■ 40.3017, 73.6629,  
21.0968

■ 37.9071, 72.5224,  
16.7404

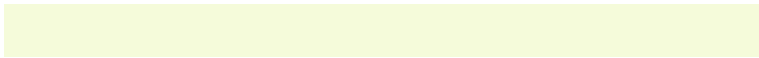
■ 36.4892, 71.8525,  
13.9157

■ 35.8710, 71.5644,  
12.5044

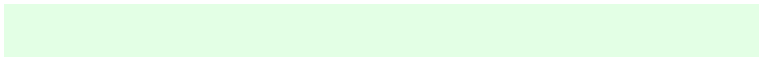
# Harmonies

## Analogous

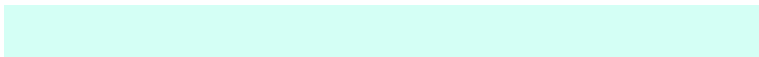
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9891, 93.5080, 80.1508



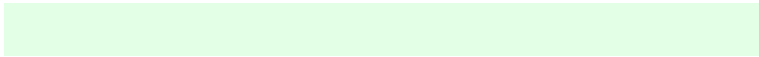
81.5814, 93.5080, 87.8778



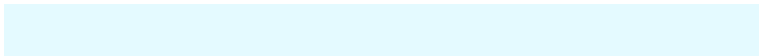
80.1280, 93.5080, 99.9062

# Triad

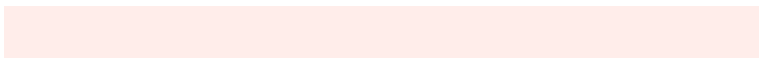
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5814, 93.5080, 87.8778



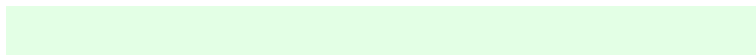
88.2078, 93.5080, 130.0025



97.3046, 93.5080, 90.9274

# Complementary

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



81.5814, 93.5080, 87.8778



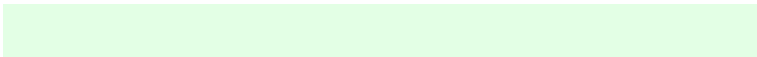
86.4391, 83.2909, 104.4491

# 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.



98.2398, 93.5080, 103.7466



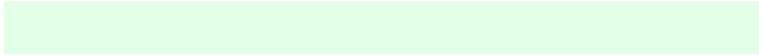
81.5814, 93.5080, 87.8778



92.8808, 93.5080, 127.0669

# Square

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



81.5814, 93.5080, 87.8778



83.8669, 93.5080, 124.8540



96.5941, 93.5080, 117.1515

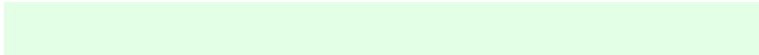


94.0818, 93.5080, 81.7991

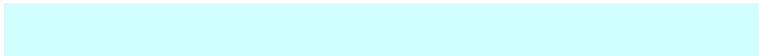


# Rectangle

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



81.5814, 93.5080, 87.8778



80.4238, 93.5080, 109.0415



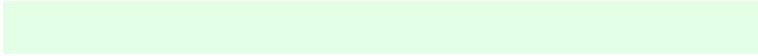
96.5941, 93.5080, 117.1515



97.9017, 93.5080, 94.9137

# Sweetspot

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



81.5822, 93.5084, 87.8793



91.1686, 98.1287, 102.8585



90.1820, 97.9738, 86.8319



19.2973, 20.8992, 21.6785



0.0000, 0.0000, 0.0000

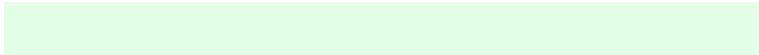


20.3446, 21.4041, 23.3091

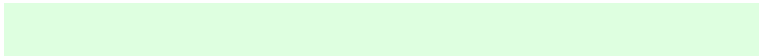


# Same Dimension

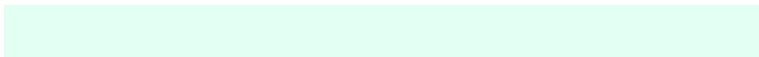
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5822, 93.5084, 87.8793



79.3225, 92.4196, 84.3345



83.5967, 94.3142, 98.4875



17.8242, 20.1892, 19.3772



18.7624, 37.4015, 6.6340



1.8443, 3.6486, 0.7378



# Inverse Universe

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



86.4391, 83.2909, 104.4491



84.9924, 80.4913, 103.6779



84.3093, 82.4390, 93.2341



18.7333, 18.2767, 22.4789



29.5431, 14.3066, 43.1062

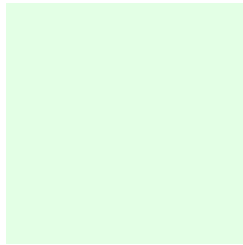


2.8926, 1.3994, 4.2819



# Previews

## White Background



This preview shows how the XYZ color 81.5814, 93.5080, 87.8778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

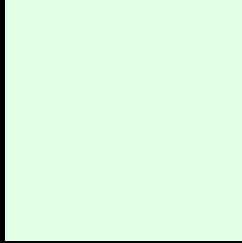
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.5814, 93.5080, 87.8778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

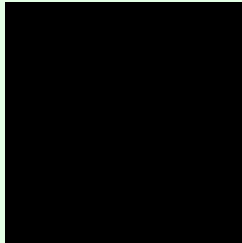
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

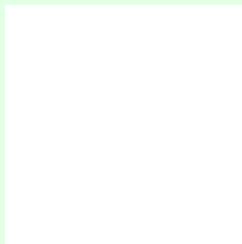
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.5814, 93.5080, 87.8778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.5814, 93.5080, 87.8778.



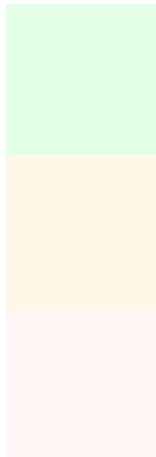
This preview shows how white text looks on a background with the XYZ color 81.5814, 93.5080,

87.8778.

# 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

81.5814, 93.5080, 87.8778

### Protanopia

88.6436, 93.4387, 87.4922

### Deuteranopia

90.2215, 93.0965, 98.8022

## **Tritanopia**

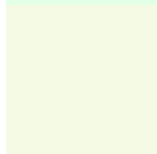
88.5795, 93.4095, 107.9689

# Trichromacy



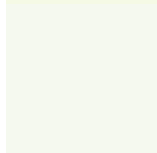
## Original Color

81.5814, 93.5080, 87.8778



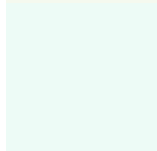
## Protanomaly

85.9847, 93.4408, 87.6327



## Deuteranomaly

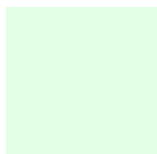
87.1119, 93.3958, 95.0973



## Tritanomaly

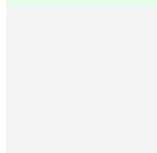
86.0568, 93.6527, 100.7299

# Monochromacy



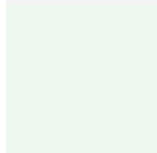
## Original Color

81.5814, 93.5080, 87.8778



## Achromatopsia

85.9880, 90.4661, 98.5176



## Achromatomaly

84.4073, 91.5439, 94.8824

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.5814, 93.5080, 87.8778 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 81.5814, 93.5080, 87.8778 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".

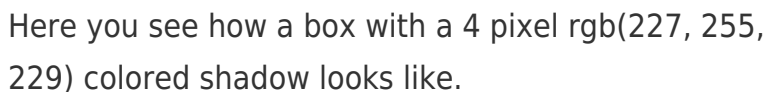
```
.border, #border, table{ border:4px solid rgb(227, 255, 229) }
```



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

```
.border{ border-color:rgb(227, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 255, 229); box-shadow:4px 4px 4px 4px rgb(227, 255, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.5814, 93.5080, 87.8778 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, 229) }
```

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

```
.background{ background-color: rgb(227,  
255, 229) }
```

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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