

# Converting Colors

XYZ(81.6814, 93.5331, 89.0794)

Have a look what the booklet for  
XYZ(81.6814, 93.5331, 89.0794)  
contains.

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# Color

**XYZ(81.8624, 93.6204,  
89.3572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFE7
RGB	227, 255, 231
RGB Percent	89%, 100%, 91%
CMY	0.1098, 0.0000, 0.0941
CMYK	0.11, 0.00, 0.09, 0.00
HSL	129°, 100%, 95%
HSV	129°, 11%, 100%
XYZ	81.8624, 93.6204, 89.3572
YIQ	243.8920, -8.9840, -13.4000

# Conversions

## Conversions Part 2

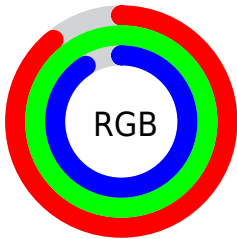
Format	Color
<b>R<sub>YB</sub></b>	227, 252, 255
Decimal	14942183
CIE <sub>Lab</sub>	97.48, -13.41, 8.40
CIE <sub>LCh</sub>	97, 15.828, 147.929
Yxy	93.6204, 0.3091, 0.3535
Android (android.graphics.Color)	4293132263 (0xFFE3FFE7)
YUV	243.8920, -6.3558, -14.8143
Hunter-Lab	96.7576, -18.3048, 12.9751

# Details

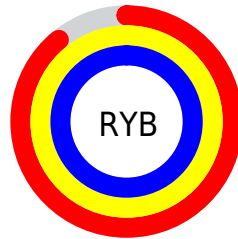
The XYZ color **81.8624, 93.6204, 89.3572** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.1222, 83.1642, 102.7799**, and the grayscale version is **85.9567, 90.4331, 98.4816**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7265, 52.1412, 48.2644** is the 20% darker color. If you saturate the color by 10%, you get **71.5091, 88.6178, 73.7518**, and if you desaturate by 10%, it is **93.7940, 99.3921, 107.0517**.

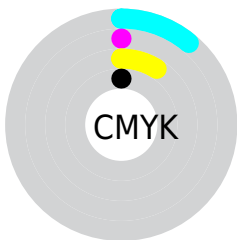
# Distribution



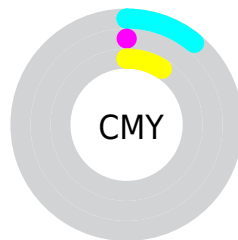
- Red (89%)
- Green (100%)
- Blue (91%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8624, 93.6204, 89.3572 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 81.8624, 93.6204, 89.3572 by changing the saturation by 10% instead.



 81.8624, 93.6204,  
89.3572

 81.8624, 93.6204,  
89.3572


489.8288,  
539.7388, 546.4537

 61.5658, 70.9873,  
66.8769


134.9179,  
152.3573, 148.3729

 44.9363, 52.3318,  
48.5236


168.4075,  
189.2298, 185.7454

 31.6083, 37.2696,  
33.8788


207.0255,  
231.6175, 228.9191

 21.2166, 25.4163,  
22.5239

251.1372,  
279.9049, 278.3124

 13.3958, 16.3875,  
14.0404

301.1081,  
334.4764, 334.3440

 7.7805, 9.7988,  
8.0097

357.3034,

 4.0054, 5.2657,

395.7162, 397.4324

4.0133

420.0885,  
464.0089, 467.9961

■ 1.7052, 2.4040,  
1.6326

■ 0.4595, 0.8280,  
0.3139

■ 81.8624, 93.6204,  
89.3572

■ 81.8624, 93.6204,  
89.3572

■ 71.5091, 88.6178,  
73.7518

■ 93.7940, 99.3921,  
107.0517

■ 62.6654, 84.3505,  
60.1541

■ 95.0500, 100.0000,  
108.9000

■ 55.2611, 80.7841,  
48.4838

■ 49.2193, 77.8807,  
38.6537

■ 44.4560, 75.5992,  
30.5697

■ 40.8777, 73.8933,  
24.1296

■ 38.3780, 72.7108,  
19.2203

■ 36.8308, 71.9891,  
15.7144

■ 36.0851, 71.6500,  
13.6318

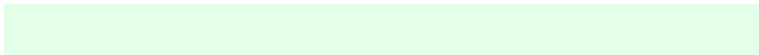
# Harmonies

## Analogous

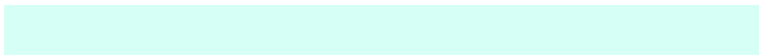
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9985, 93.6204, 81.6042



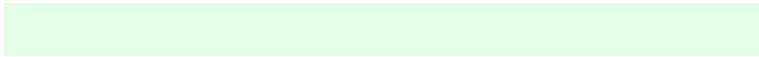
81.8624, 93.6204, 89.3572



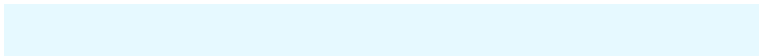
80.6270, 93.6204, 101.0453

# Triad

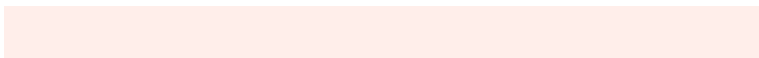
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8624, 93.6204, 89.3572



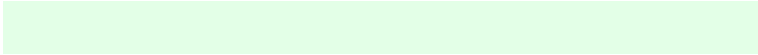
88.6716, 93.6204, 128.7120



96.8357, 93.6204, 90.7831

# Complementary

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



81.8624, 93.6204, 89.3572



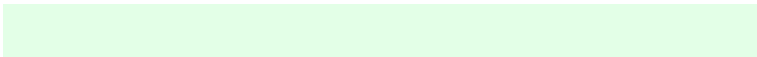
86.1222, 83.1642, 102.7799

# 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.



97.8980, 93.6204, 102.8334



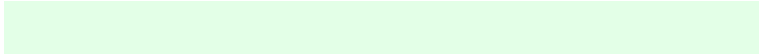
81.8624, 93.6204, 89.3572



93.0909, 93.6204, 125.3937

# Square

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



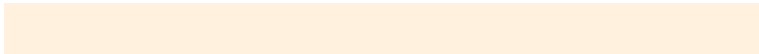
81.8624, 93.6204, 89.3572



84.4751, 93.6204, 124.3701



96.5058, 93.6204, 115.6446

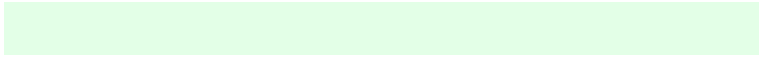


93.6492, 93.6204, 82.3774



# Rectangle

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



81.8624, 93.6204, 89.3572



81.0152, 93.6204, 109.7435



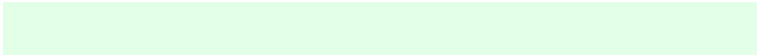
96.5058, 93.6204, 115.6446



97.4577, 93.6204, 94.5092

# Sweetspot

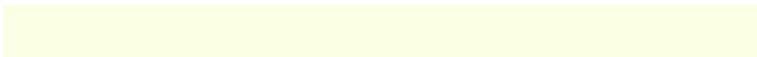
The Sweet Spot groups the original color and five complimentary colors.



81.8632, 93.6208, 89.3587



91.2534, 98.1627, 103.3054



89.5053, 97.6250, 86.8004



19.3201, 20.9083, 21.7986



0.0000, 0.0000, 0.0000

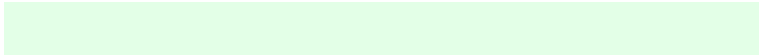


20.3446, 21.4041, 23.3091

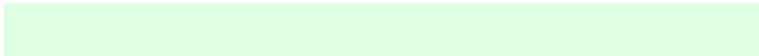


# Same Dimension

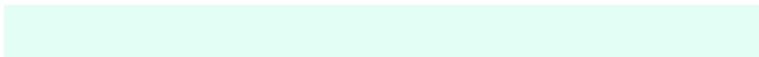
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8632, 93.6208, 89.3587



79.6463, 92.5491, 86.0398



83.8800, 94.4275, 99.9788



17.8773, 20.2104, 19.6566



18.8870, 37.4514, 7.2900



1.8692, 3.6586, 0.8692



# Inverse Universe

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



86.1222, 83.1642, 102.7799



84.6182, 80.3416, 101.7072



84.0348, 82.3293, 91.7881



18.6745, 18.2531, 22.1690



28.2430, 13.7865, 36.2597



2.7792, 1.3540, 3.6845



# Previews

## White Background



This preview shows how the XYZ color 81.8624, 93.6204, 89.3572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

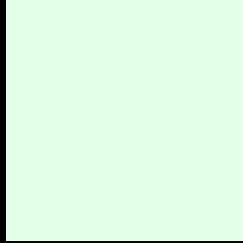
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8624, 93.6204, 89.3572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

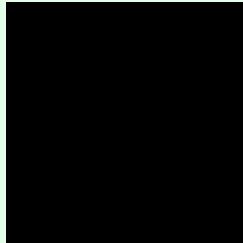
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

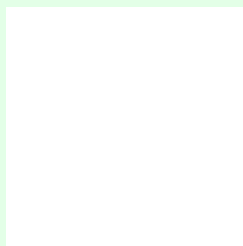
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.8624, 93.6204, 89.3572

## Background



This preview shows how black text looks on a background with the XYZ color 81.8624, 93.6204, 89.3572.



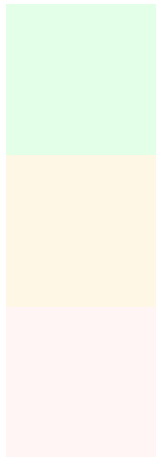
This preview shows how white text looks on a background with the XYZ color 81.8624, 93.6204,

89.3572.

# 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

81.8624, 93.6204, 89.3572

### Protanopia

88.7837, 93.4947, 88.2298

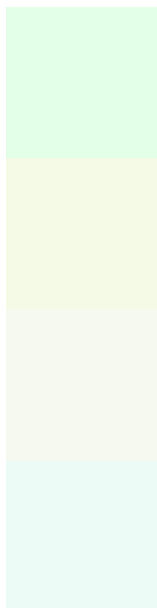
### Deuteranopia

90.2215, 93.0965, 98.8022

## **Tritanopia**

88.5795, 93.4095, 107.9689

# Trichromacy



## Original Color

81.8624, 93.6204, 89.3572

## Protanomaly

86.1247, 93.4969, 88.3704

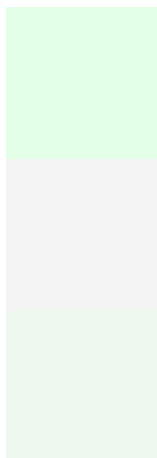
## Deuteranomaly

87.1119, 93.3958, 95.0973

## Tritanomaly

86.0568, 93.6527, 100.7299

# Monochromacy



## Original Color

81.8624, 93.6204, 89.3572

## 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 81.8624, 93.6204, 89.3572 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8624, 93.6204, 89.3572 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".

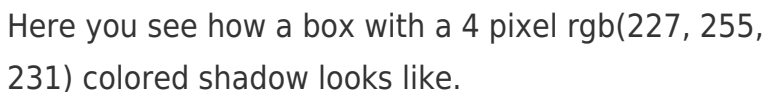
```
.border, #border, table{ border:4px solid rgb(227, 255, 231) }
```



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

```
.border{ border-color:rgb(227, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 255, 231); box-shadow:4px 4px 4px 4px rgb(227, 255, 231) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8624, 93.6204, 89.3572 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, 231) }
```

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

```
.background{ background-color: rgb(227,  
255, 231) }
```

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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