

Converting Colors

XYZ(81.8019, 93.5945, 89.1189)

Have a look what the booklet for
XYZ(81.8019, 93.5945, 89.1189)
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

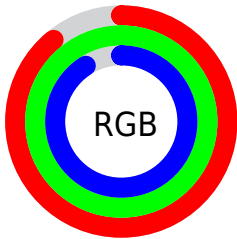
Format	Color
R_{YB}	227, 252, 255
Decimal	14942183
CIE Lab	97.48, -13.41, 8.40
CIE LCh	97, 15.828, 147.929
Yxy	93.6204, 0.3091, 0.3535
Android (android.graphics.Color)	4293132263 (0xFFE3FFE7)
YUV	243.8920, -6.3558, -14.8143
Hunter-Lab	96.7576, -18.3048, 12.9751

Details

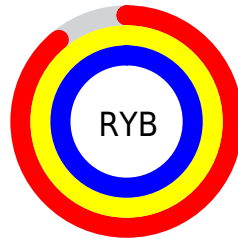
The XYZ color **81.8624, 93.6204, 89.3572** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.1222, 83.1642, 102.7799**, and the grayscale version is **85.9567, 90.4331, 98.4816**.

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**.

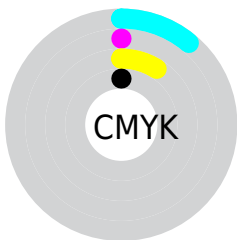
Distribution



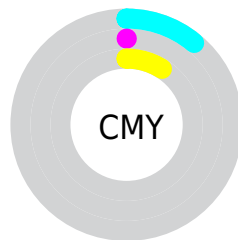
- Red (89%)
- Green (100%)
- Blue (91%)



- 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

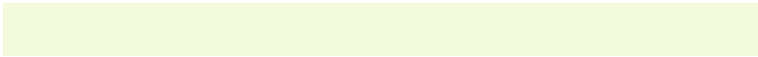
■ 36.8308, 71.9891,
15.7144

■ 36.0851, 71.6500,
13.6318

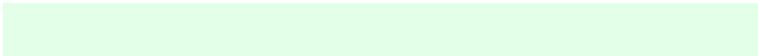
Harmonies

Analogous

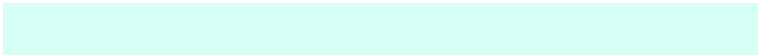
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9985, 93.6204, 81.6042



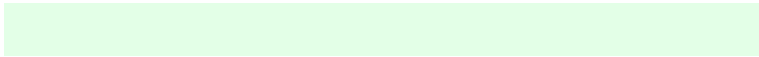
81.8624, 93.6204, 89.3572



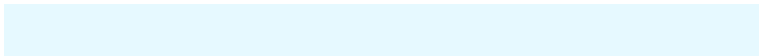
80.6270, 93.6204, 101.0453

Triad

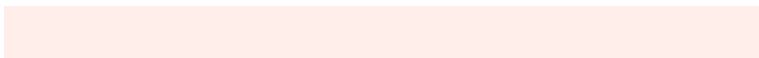
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8624, 93.6204, 89.3572



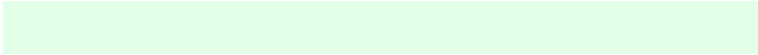
88.6716, 93.6204, 128.7120



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



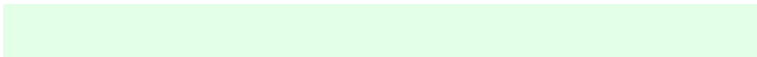
86.1222, 83.1642, 102.7799

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



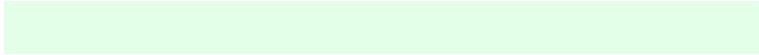
81.8624, 93.6204, 89.3572



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.



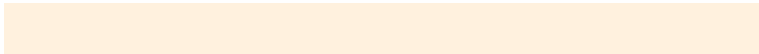
81.8624, 93.6204, 89.3572



84.4751, 93.6204, 124.3701



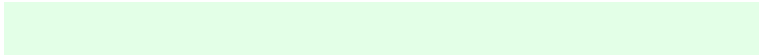
96.5058, 93.6204, 115.6446



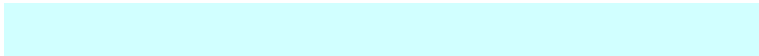
93.6492, 93.6204, 82.3774

Rectangle

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



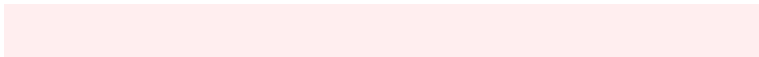
81.8624, 93.6204, 89.3572



81.0152, 93.6204, 109.7435



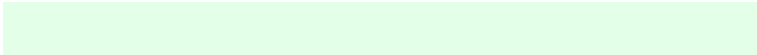
96.5058, 93.6204, 115.6446



97.4577, 93.6204, 94.5092

Sweetspot

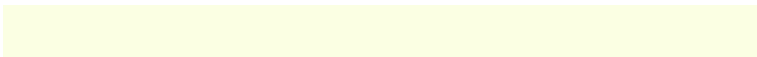
The Sweet Spot groups the original color and five complimentary colors.



81.8632, 93.6208, 89.3587



91.2534, 98.1627, 103.3054



89.5053, 97.6250, 86.8004



19.3201, 20.9083, 21.7986



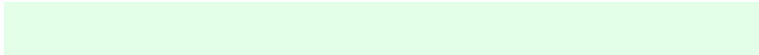
0.0000, 0.0000, 0.0000



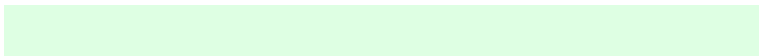
20.3446, 21.4041, 23.3091

Same Dimension

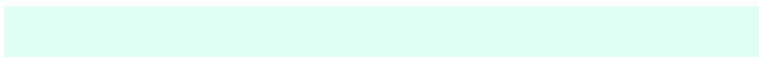
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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

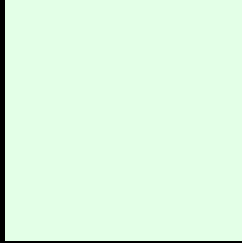
Large Text (above 18pt) WCAG AA × Fail

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

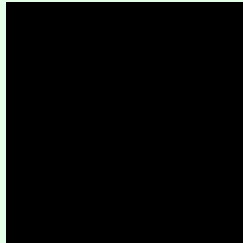
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

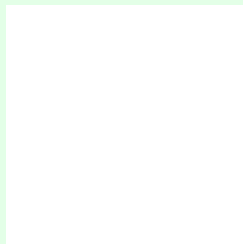
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.



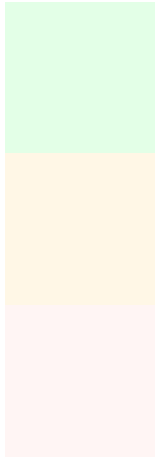
This preview shows how white text looks on a background with the XYZ color 81.8624, 93.6204,

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

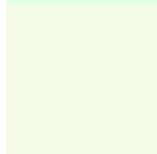
88.5795, 93.4095, 107.9689

Trichromacy



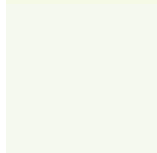
Original Color

81.8624, 93.6204, 89.3572



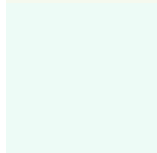
Protanomaly

86.1247, 93.4969, 88.3704



Deuteranomaly

87.1119, 93.3958, 95.0973



Tritanomaly

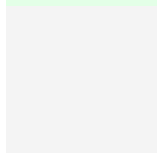
86.0568, 93.6527, 100.7299

Monochromacy



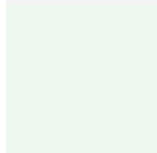
Original Color

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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