

Converting Colors

XYZ(81.4034, 93.5755, 80.6769)

Have a look what the booklet for
XYZ(81.4034, 93.5755, 80.6769)
contains.

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Color

**XYZ(81.5012, 93.6234,
80.7934)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFDB
RGB	231, 255, 219
RGB Percent	91%, 100%, 86%
CMY	0.0941, 0.0000, 0.1412
CMYK	0.09, 0.00, 0.14, 0.00
HSL	100°, 100%, 93%
HSV	100°, 14%, 100%
XYZ	81.5012, 93.6234, 80.7934
YIQ	243.7200, -2.7480, -16.2840

Conversions

Conversions Part 2

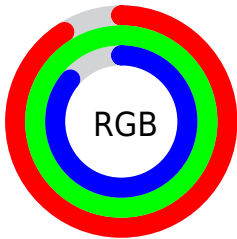
Format	Color
R _Y B	219, 255, 243
Decimal	15204315
CIE Lab	97.48, -14.12, 14.59
CIE LCh	97, 20.302, 134.058
Yxy	93.6234, 0.3185, 0.3658
Android (android.graphics.Color)	4293394395 (0xFFE7FFDB)
YUV	243.7200, -12.1870, -11.1554
Hunter-Lab	96.7592, -18.9763, 18.2246

Details

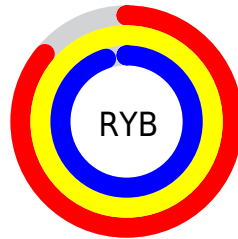
The XYZ color **81.5012, 93.6234, 80.7934** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.3444, 76.9389, 105.2238**, and the grayscale version is **85.8606, 90.3321, 98.3716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5741, 52.1825, 42.8449** is the 20% darker color. If you saturate the color by 10%, you get **73.1737, 89.6890, 64.2013**, and if you desaturate by 10%, it is **90.8774, 98.0389, 100.1218**.

Distribution



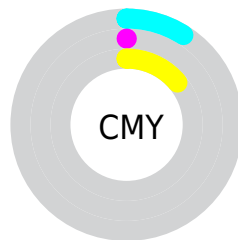
- Red (91%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5012, 93.6234, 80.7934 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 81.5012, 93.6234, 80.7934 by changing the saturation by 10% instead.


 81.5012, 93.6234,
80.7934

 81.5012, 93.6234,
80.7934


488.6375,
539.7485, 517.3797

 61.2672, 70.9898,
59.8415


134.4138,
152.3614, 136.3021

 44.6942, 52.3338,
42.8664


167.8230,
189.2346, 171.6959

 31.4169, 37.2712,
29.4497


206.3547,
231.6230, 212.7408

 21.0699, 25.4176,
19.1728

250.3742,
279.9111, 259.8553

 13.2878, 16.3884,
11.6171

300.2469,
334.4834, 313.4578

 7.7054, 9.7994,
6.3642

356.3381,

 3.9572, 5.2662,

395.7241, 373.9671

2.9954

419.0132,
464.0176, 441.8015

■ 1.6780, 2.4043,
1.0923

■ 0.4424, 0.8281,
0.0000

■ 81.5012, 93.6234,
80.7934

■ 81.5012, 93.6234,
80.7934

■ 73.1737, 89.6890,
64.2013

■ 90.8774, 98.0389,
100.1218

■ 65.8544, 86.2177,
50.2176

95.0500, 100.0000,
108.9000

■ 59.5030, 83.1916,
38.7107

■ 54.0755, 80.5911,
29.5358

■ 49.5243, 78.3951,
22.5330

■ 45.7969, 76.5806,
17.5224

■ 42.8338, 75.1215,
14.2949

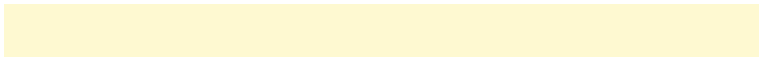
■ 40.5657, 73.9875,
12.5950

■ 39.5063, 73.4513,
12.0953

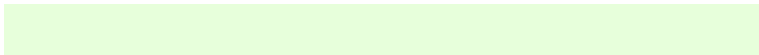
Harmonies

Analogous

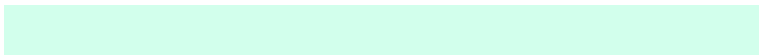
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3217, 93.6234, 74.1513



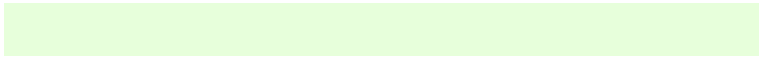
81.5012, 93.6234, 80.7934



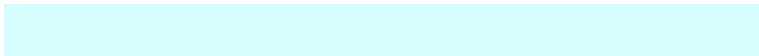
78.7514, 93.6234, 93.4701

Triad

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



81.5012, 93.6234, 80.7934



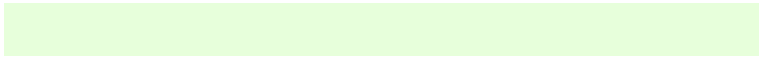
85.9775, 93.6234, 135.5990



100.1734, 93.6234, 94.4241

Complementary

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



81.5012, 93.6234, 80.7934



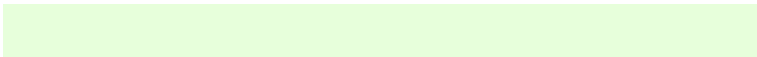
80.3444, 76.9389, 105.2238

Split Complementary

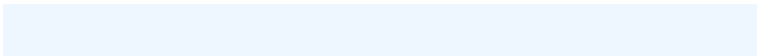
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.0715, 93.6234, 110.9066



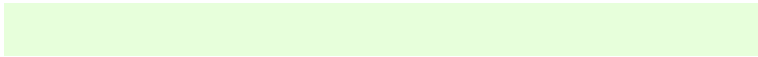
81.5012, 93.6234, 80.7934



91.7050, 93.6234, 135.9258

Square

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



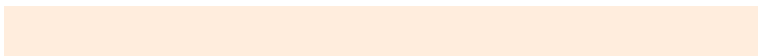
81.5012, 93.6234, 80.7934



81.2586, 93.6234, 125.6380



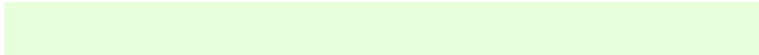
96.9161, 93.6234, 126.4876



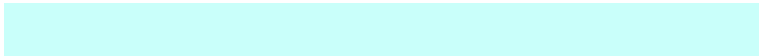
97.1889, 93.6234, 81.4266

Rectangle

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



81.5012, 93.6234, 80.7934



78.3848, 93.6234, 104.2024



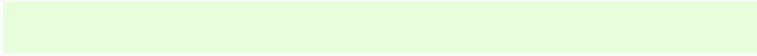
96.9161, 93.6234, 126.4876



100.5029, 93.6234, 99.7105

Sweetspot

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



81.5019, 93.6237, 80.7948



90.9933, 98.0934, 100.3643



86.0772, 90.4762, 79.9461



19.3172, 20.9212, 21.1494



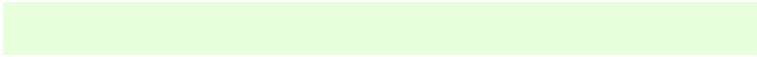
0.0000, 0.0000, 0.0000



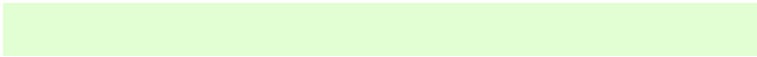
20.3446, 21.4041, 23.3091

Same Dimension

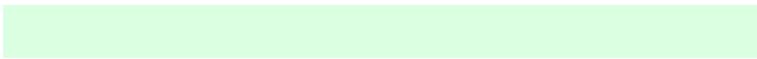
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5019, 93.6237, 80.7948



78.9949, 92.4407, 75.7355



78.5649, 92.0167, 84.8556



18.3420, 20.4622, 19.1272



20.7835, 38.4524, 6.3266



2.1339, 3.8008, 0.6212

Inverse Universe

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



80.3444, 76.9389, 105.2238



77.6283, 72.7538, 104.5592



83.6710, 78.7637, 100.4158



18.1699, 17.9793, 22.7626



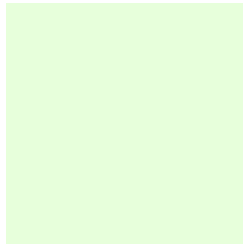
18.2586, 8.3231, 50.0788



1.8937, 0.8702, 4.8814

Previews

White Background



This preview shows how the XYZ color 81.5012, 93.6234, 80.7934 looks on a white background.

Color Contrast Check

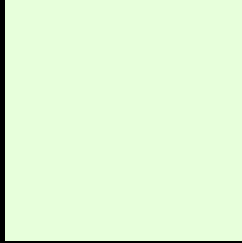
Large Text (above 18pt) WCAG AA × Fail

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 81.5012, 93.6234, 80.7934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

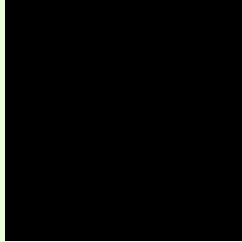
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

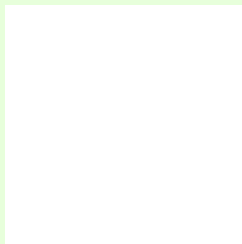
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.5012, 93.6234, 80.7934

Background



This preview shows how black text looks on a background with the XYZ color 81.5012, 93.6234, 80.7934.



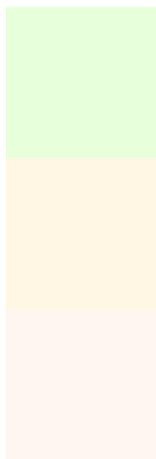
This preview shows how white text looks on a background with the XYZ color 81.5012, 93.6234,

80.7934.

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

81.5012, 93.6234, 80.7934

Protanopia

88.5044, 93.3830, 86.7588

Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

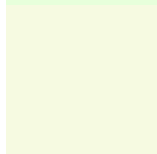
88.9256, 93.5879, 107.9851

Trichromacy



Original Color

81.5012, 93.6234, 80.7934



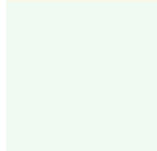
Protanomaly

85.7822, 93.4003, 84.7410



Deuteranomaly

86.7330, 93.2847, 91.2763



Tritanomaly

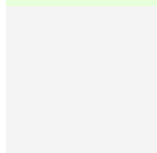
86.1208, 93.7559, 97.5620

Monochromacy



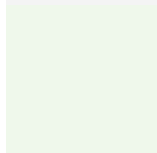
Original Color

81.5012, 93.6234, 80.7934



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.1594, 91.4837, 91.8197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5012, 93.6234, 80.7934 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(231, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 219)  
}
```

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(231, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 81.5012, 93.6234, 80.7934 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(231, 255, 219) }
```


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

```
.border{ border-color:rgb(231, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 255, 219); box-shadow:4px 4px 4px 4px rgb(231, 255, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5012, 93.6234, 80.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 219) }
```

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

```
.background{ background-color: rgb(231,  
255, 219) }
```

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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