

Converting Colors

XYZ(86.1921, 102.6083,
81.7163)

Have a look what the booklet for
XYZ(86.1921, 102.6083, 81.7163)
contains.

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Color

**XYZ(81.6936, 93.7378,
80.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFDA
RGB	232, 255, 218
RGB Percent	91%, 100%, 85%
CMY	0.0902, 0.0000, 0.1451
CMYK	0.09, 0.00, 0.15, 0.00
HSL	97°, 100%, 93%
HSV	97°, 15%, 100%
XYZ	81.6936, 93.7378, 80.1172
YIQ	243.9050, -1.8310, -16.3830

Conversions

Conversions Part 2

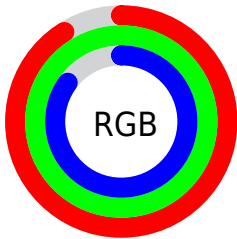
Format	Color
R _Y B	218, 255, 241
Decimal	15269850
CIE Lab	97.53, -13.94, 15.18
CIE LCh	98, 20.609, 132.577
Yxy	93.7378, 0.3197, 0.3668
Android (android.graphics.Color)	4293459930 (0xFFE8FFDA)
YUV	243.9050, -12.7712, -10.4407
Hunter-Lab	96.8183, -18.8168, 18.7103

Details

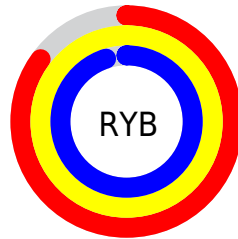
The XYZ color **81.6936, 93.7378, 80.1172** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.3979, 76.0648, 105.1050**, and the grayscale version is **86.0125, 90.4918, 98.5456**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7094, 52.2626, 42.3816** is the 20% darker color. If you saturate the color by 10%, you get **73.6933, 89.9698, 63.6432**, and if you desaturate by 10%, it is **90.6728, 97.9510, 99.3196**.

Distribution



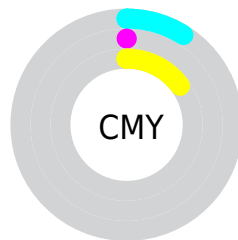
- Red (91%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6936, 93.7378, 80.1172 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 81.6936, 93.7378, 80.1172 by changing the saturation by 10% instead.


 81.6936, 93.7378,
80.1172

 81.6936, 93.7378,
80.1172


489.2723,
540.1162, 515.0449

 61.4263, 71.0849,
59.2881


134.6823,
152.5197, 135.3434

 44.8231, 52.4115,
42.4235

168.1344,
189.4174, 170.5775

 31.5188, 37.3332,
29.1050


206.7121,
231.8322, 211.4504

 21.1480, 25.4655,
18.9140

250.7807,
280.1485, 258.3806

 13.3453, 16.4242,
11.4320

300.7057,
334.7507, 311.7866

 7.7454, 9.8249,
6.2404

356.8524,

 3.9829, 5.2830,

396.0231, 372.0869

2.9206

419.5861,
464.3501, 439.7002

■ 1.6925, 2.4142,
1.0543

■ 0.4515, 0.8332,
0.0000

■ 81.6936, 93.7378,
80.1172

■ 81.6936, 93.7378,
80.1172

■ 73.6933, 89.9698,
63.6432

■ 90.6728, 97.9510,
99.3196

■ 66.6344, 86.6306,
49.7696

95.0500, 100.0000,
108.9000

■ 60.4795, 83.7037,
38.3644

■ 55.1880, 81.1713,
29.2826

■ 50.7155, 79.0142,
22.3636

■ 47.0131, 77.2109,
17.4267

■ 44.0255, 75.7377,
14.2618

■ 41.6872, 74.5664,
12.6112

■ 40.6351, 74.0332,
12.1482

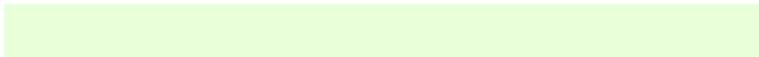
Harmonies

Analogous

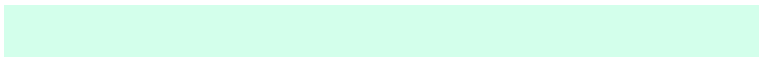
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6662, 93.7378, 73.7213



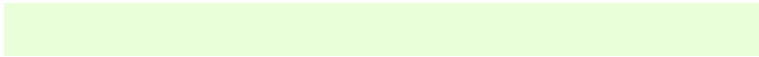
81.6936, 93.7378, 80.1172



78.7801, 93.7378, 92.7122

Triad

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



81.6936, 93.7378, 80.1172



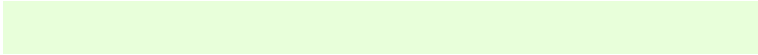
85.7666, 93.7378, 136.0187



100.5399, 93.7378, 95.2042

Complementary

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



81.6936, 93.7378, 80.1172



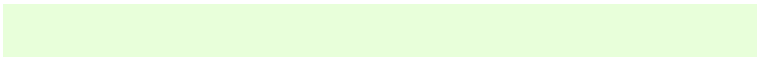
79.3979, 76.0648, 105.1050

Split Complementary

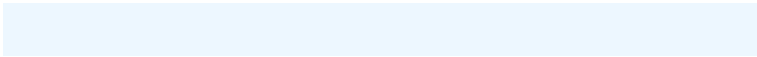
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.2730, 93.7378, 112.0256



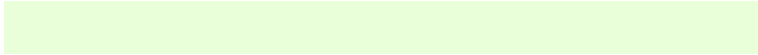
81.6936, 93.7378, 80.1172



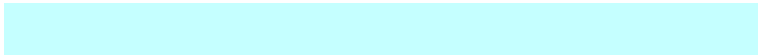
91.5687, 93.7378, 136.8751

Square

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



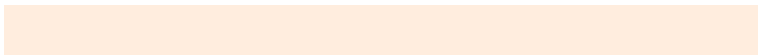
81.6936, 93.7378, 80.1172



81.0599, 93.7378, 125.4679



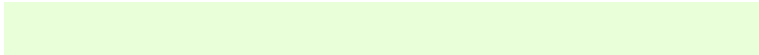
96.9304, 93.7378, 127.6932



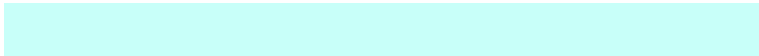
97.6442, 93.7378, 81.7689

Rectangle

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



81.6936, 93.7378, 80.1172



78.3157, 93.7378, 103.5208



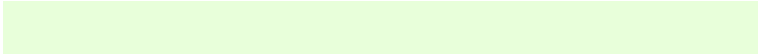
96.9304, 93.7378, 127.6932



100.8206, 93.7378, 100.6220

Sweetspot

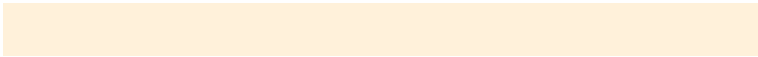
The Sweet Spot groups the original color and five complimentary colors.



81.6942, 93.7381, 80.1186



91.1565, 98.1776, 100.3719



85.2965, 89.1246, 79.0383



19.3584, 20.9424, 21.1514



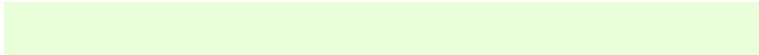
0.0000, 0.0000, 0.0000



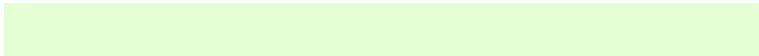
20.3446, 21.4041, 23.3091

Same Dimension

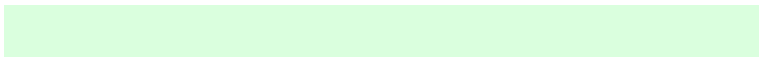
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6942, 93.7381, 80.1186



79.6111, 92.7584, 75.7643



77.9016, 91.7168, 82.9285



18.4211, 20.5030, 19.1309



21.3851, 38.7625, 6.3548



2.1989, 3.8343, 0.6242

Inverse Universe

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



79.3979, 76.0648, 105.1050



76.9669, 72.4129, 104.5282



83.6747, 78.3490, 101.7182



18.0878, 17.9370, 22.7588



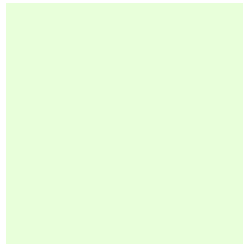
17.0236, 7.6865, 50.0210



1.7790, 0.8110, 4.8761

Previews

White Background



This preview shows how the XYZ color 81.6936, 93.7378, 80.1172 looks on a white background.

Color Contrast Check

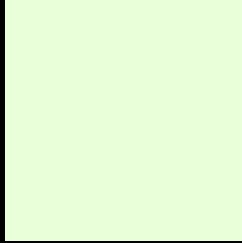
Large Text (above 18pt) WCAG AA × Fail

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 81.6936, 93.7378, 80.1172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

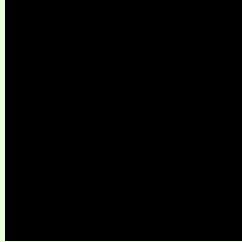
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

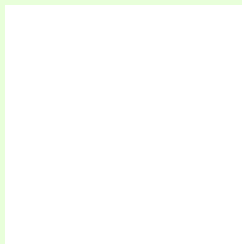
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6936, 93.7378, 80.1172

Background



This preview shows how black text looks on a background with the XYZ color 81.6936, 93.7378, 80.1172.



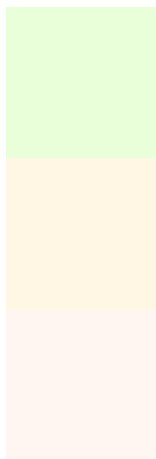
This preview shows how white text looks on a background with the XYZ color 81.6936, 93.7378,

80.1172.

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

81.6936, 93.7378, 80.1172

Protanopia

88.5044, 93.3830, 86.7588

Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

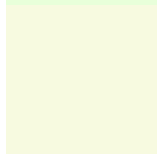
89.2736, 93.7673, 108.0014

Trichromacy



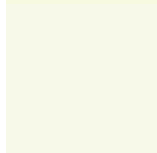
Original Color

81.6936, 93.7378, 80.1172



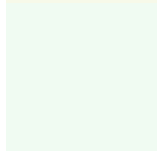
Protanomaly

85.9979, 93.5272, 84.0410



Deuteranomaly

86.9414, 93.4087, 90.5382



Tritanomaly

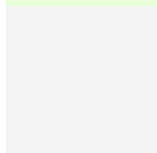
86.4594, 93.9304, 97.5779

Monochromacy



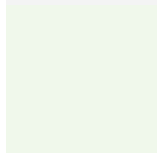
Original Color

81.6936, 93.7378, 80.1172



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.4980, 91.6582, 91.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6936, 93.7378, 80.1172 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(232, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 218)  
}
```

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(232, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 81.6936, 93.7378, 80.1172 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(232, 255, 218) }
```


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

```
.border{ border-color:rgb(232, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 255, 218); box-shadow:4px 4px 4px 4px rgb(232, 255, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6936, 93.7378, 80.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 218) }
```

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

```
.background{ background-color: rgb(232,  
255, 218) }
```

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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