

Converting Colors

XYZ(87.7563, 104.8918,
83.0814)

Have a look what the booklet for
XYZ(87.7563, 104.8918, 83.0814)
contains.

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Color

**XYZ(82.2825, 94.0109,
81.5193)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFDC
RGB	233, 255, 220
RGB Percent	91%, 100%, 86%
CMY	0.0863, 0.0000, 0.1372
CMYK	0.09, 0.00, 0.14, 0.00
HSL	98°, 100%, 93%
HSV	98°, 14%, 100%
XYZ	82.2825, 94.0109, 81.5193
YIQ	244.4320, -1.8770, -15.5490

Conversions

Conversions Part 2

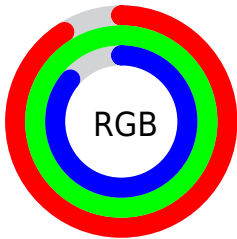
Format	Color
R _Y B	220, 255, 242
Decimal	15335388
CIE Lab	97.64, -13.28, 14.32
CIE LCh	98, 19.528, 132.842
Yxy	94.0109, 0.3192, 0.3646
Android (android.graphics.Color)	4293525468 (0xFFE9FFDC)
YUV	244.4320, -12.0450, -10.0259
Hunter-Lab	96.9592, -18.1982, 18.0229

Details

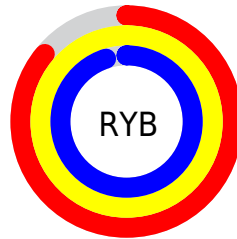
The XYZ color **82.2825, 94.0109, 81.5193** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.2620, 77.2848, 105.2949**, and the grayscale version is **86.4291, 90.9301, 99.0229**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1171, 52.4519, 43.3436** is the 20% darker color. If you saturate the color by 10%, you get **74.1612, 90.1851, 64.8338**, and if you desaturate by 10%, it is **91.3957, 98.2885, 100.9431**.

Distribution



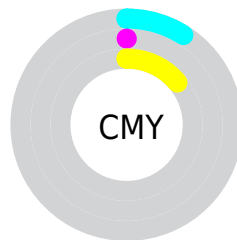
- Red (91%)
- Green (100%)
- Blue (86%)



- 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 82.2825, 94.0109, 81.5193 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 82.2825, 94.0109, 81.5193 by changing the saturation by 10% instead.


 82.2825, 94.0109,
81.5193

 82.2825, 94.0109,
81.5193


491.2123,
540.9936, 519.8795

 61.9133, 71.3120,
60.4359

135.5038,
152.8974, 137.3303

 45.2180, 52.5969,
43.3425


169.0867,
189.8538, 172.8950

 31.8312, 37.4810,
29.8205


207.8049,
232.3316, 214.1238

 21.3875, 25.5802,
19.4515

252.0237,
280.7150, 261.4354

 13.5216, 16.5098,
11.8169

302.1085,
335.3885, 315.2482

 7.8682, 9.8856,
6.4981

358.4246,

 4.0618, 5.3232,

396.7365, 375.9808

3.0766

421.3374,
465.1434, 444.0517

■ 1.7372, 2.4381,
1.1339

■ 0.4794, 0.8454,
0.0000

■ 82.2825, 94.0109,
81.5193

■ 82.2825, 94.0109,
81.5193

■ 74.1612, 90.1851,
64.8338

■ 91.3957, 98.2885,
100.9431

■ 66.9939, 86.7944,
50.7591

95.0500, 100.0000,
108.9000

■ 60.7432, 83.8222,
39.1642

■ 55.3680, 81.2505,
29.9049

■ 50.8239, 79.0600,
22.8221

■ 47.0618, 77.2292,
17.7368

■ 44.0263, 75.7342,
14.4418

■ 41.6525, 74.5469,
12.6840

■ 40.4496, 73.9376,
12.1395

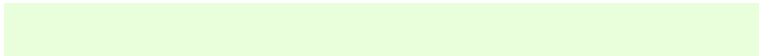
Harmonies

Analogous

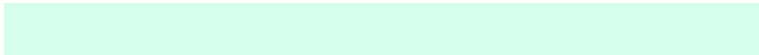
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0001, 94.0109, 75.3255



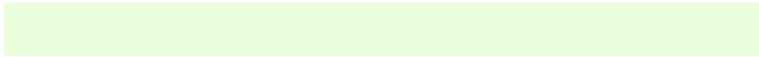
82.2825, 94.0109, 81.5193



79.5268, 94.0109, 93.5952

Triad

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



82.2825, 94.0109, 81.5193



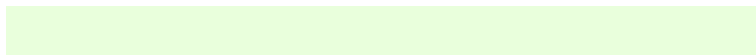
86.2386, 94.0109, 134.4816



100.1850, 94.0109, 95.7084

Complementary

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



82.2825, 94.0109, 81.5193



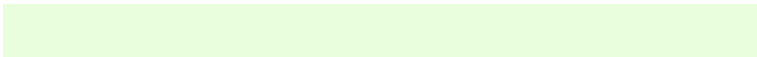
80.2620, 77.2848, 105.2949

Split Complementary

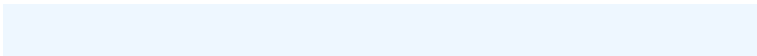
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.9603, 94.0109, 111.6596



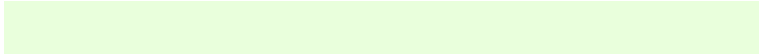
82.2825, 94.0109, 81.5193



91.7511, 94.0109, 135.1985

Square

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



82.2825, 94.0109, 81.5193



81.7450, 94.0109, 124.6173



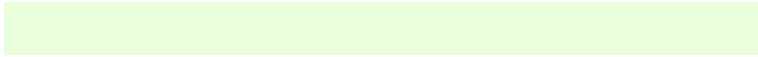
96.8206, 94.0109, 126.4849



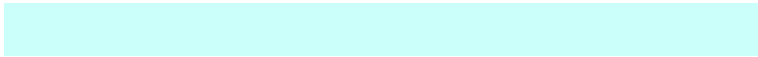
97.4222, 94.0109, 82.9277

Rectangle

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



82.2825, 94.0109, 81.5193



79.0996, 94.0109, 103.8871



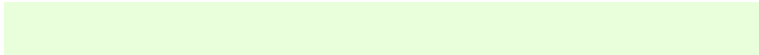
96.8206, 94.0109, 126.4849



100.4596, 94.0109, 100.8517

Sweetspot

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



82.2832, 94.0112, 81.5207



91.1313, 98.1646, 100.3707



85.7870, 89.6844, 80.5009



19.3520, 20.9392, 21.1511



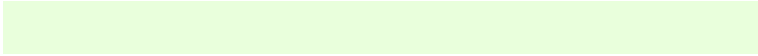
0.0000, 0.0000, 0.0000



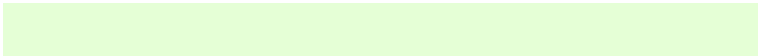
20.3446, 21.4041, 23.3091

Same Dimension

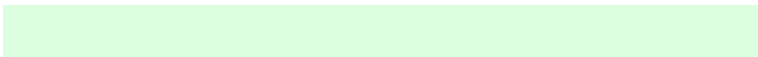
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2832, 94.0112, 81.5207



80.3494, 93.1016, 77.4879



78.7419, 92.1224, 84.2128



18.4088, 20.4967, 19.1303



21.2865, 38.7117, 6.3502



2.1884, 3.8289, 0.6237

Inverse Universe

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



80.2620, 77.2848, 105.2949



78.0301, 73.9127, 104.7617



84.2332, 79.4072, 102.0857



18.1004, 17.9435, 22.7594



17.2071, 7.7810, 50.0296



1.7962, 0.8199, 4.8769

Previews

White Background



This preview shows how the XYZ color 82.2825, 94.0109, 81.5193 looks on a white background.

Color Contrast Check

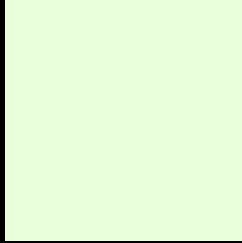
Large Text (above 18pt) WCAG AA × Fail

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 82.2825, 94.0109, 81.5193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

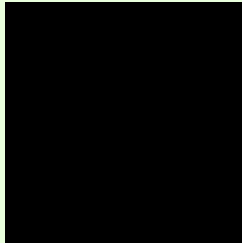
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

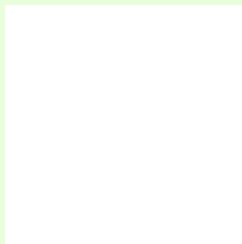
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.2825, 94.0109, 81.5193

Background



This preview shows how black text looks on a background with the XYZ color 82.2825, 94.0109, 81.5193.



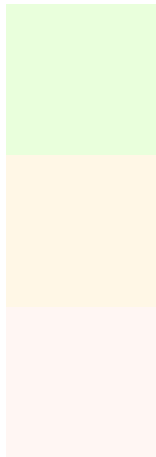
This preview shows how white text looks on a background with the XYZ color 82.2825, 94.0109,

81.5193.

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

82.2825, 94.0109, 81.5193

Protanopia

88.7837, 93.4947, 88.2298

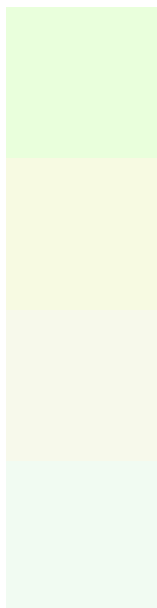
Deuteranopia

90.3734, 93.6426, 98.1057

Tritanopia

89.2736, 93.7673, 108.0014

Trichromacy



Original Color

82.2825, 94.0109, 81.5193

Protanomaly

86.2708, 93.6364, 85.4782

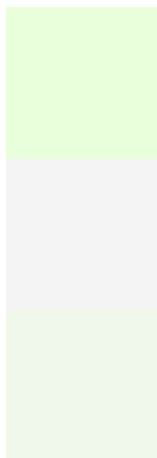
Deuteranomaly

87.2288, 93.5237, 92.0517

Tritanomaly

86.7998, 94.1059, 97.5938

Monochromacy



Original Color

82.2825, 94.0109, 81.5193

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 82.2825, 94.0109, 81.5193 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(233, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 220)  
}
```

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(233, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 82.2825, 94.0109, 81.5193 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(233, 255, 220) }
```


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

```
.border{ border-color:rgb(233, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 82.2825, 94.0109, 81.5193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 220) }
```

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

```
.background{ background-color: rgb(233,  
255, 220) }
```

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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