

Converting Colors

XYZ(81.8919, 93.8531, 79.2906)

Have a look what the booklet for
XYZ(81.8919, 93.8531, 79.2906)
contains.

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Color

**XYZ(81.8887, 93.8534,
79.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFD9
RGB	233, 255, 217
RGB Percent	91%, 100%, 85%
CMY	0.0863, 0.0000, 0.1490
CMYK	0.09, 0.00, 0.15, 0.00
HSL	95°, 100%, 93%
HSV	95°, 15%, 100%
XYZ	81.8887, 93.8534, 79.4452
YIQ	244.0900, -0.9140, -16.4820

Conversions

Conversions Part 2

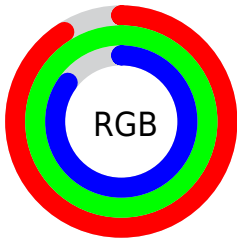
Format	Color
R_{YB}	217, 255, 239
Decimal	15335385
CIE _{Lab}	97.57, -13.77, 15.76
CIE _{LCh}	98, 20.928, 131.133
Yxy	93.8534, 0.3209, 0.3678
Android (android.graphics.Color)	4293525465 (0xFFE9FFD9)
YUV	244.0900, -13.3554, -9.7259
Hunter-Lab	96.8780, -18.6545, 19.1936

Details

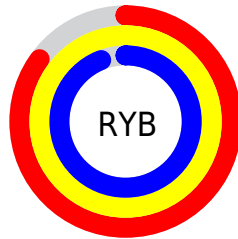
The XYZ color **81.8887, 93.8534, 79.4452** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **78.4603, 75.1976, 104.9870**, and the grayscale version is **86.1646, 90.6519, 98.7199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8471, 52.3439, 41.9221** is the 20% darker color. If you saturate the color by 10%, you get **74.2041, 90.2459, 63.0886**, and if you desaturate by 10%, it is **90.4905, 97.8744, 98.5226**.

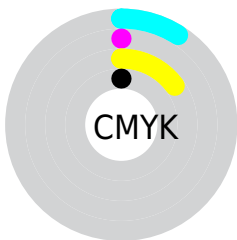
Distribution



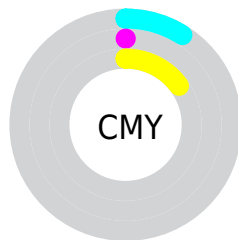
- Red (91%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (94%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8887, 93.8534, 79.4452 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 81.8887, 93.8534, 79.4452 by changing the saturation by 10% instead.


 81.8887, 93.8534,
79.4452

 81.8887, 93.8534,
79.4452


489.9155,
540.4877, 512.7185

 61.5876, 71.1810,
58.7384

134.9545,
152.6796, 134.3898

 44.9539, 52.4899,
41.9840


168.4500,
189.6022, 169.4647

 31.6222, 37.3957,
28.7633


207.0743,
232.0436, 210.1660

 21.2273, 25.5140,
18.6578

251.1927,
280.3884, 256.9124

 13.4036, 16.4605,
11.2490

301.1707,
335.0207, 310.1222

 7.7860, 9.8506,
6.1183

357.3736,

 4.0090, 5.3000,

396.3252, 370.2142

2.8472

420.1667,
464.6860, 437.6068

■ 1.7072, 2.4243,
1.0171

■ 0.4608, 0.8384,
0.0000

■ 81.8887, 93.8534,
79.4452

■ 81.8887, 93.8534,
79.4452

■ 74.2041, 90.2459,
63.0886

■ 90.4905, 97.8744,
98.5226

■ 67.4013, 87.0366,
49.3247

95.0500, 100.0000,
108.9000

■ 61.4456, 84.2103,
38.0212

■ 56.2988, 81.7507,
29.0325

■ 51.9193, 79.6397,
22.1977

■ 48.2611, 77.8576,
17.3352

■ 45.2718, 76.3822,
14.2336

■ 42.8893, 75.1869,
12.6329

■ 41.8679, 74.6687,
12.2058

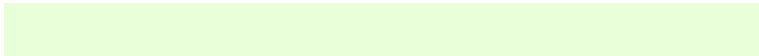
Harmonies

Analogous

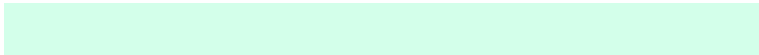
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0140, 93.8534, 73.2950



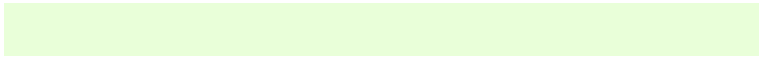
81.8887, 93.8534, 79.4452



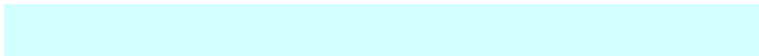
78.8109, 93.8534, 91.9569

Triad

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



81.8887, 93.8534, 79.4452



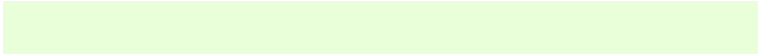
85.5561, 93.8534, 136.4367



100.9077, 93.8534, 95.9936

Complementary

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



81.8887, 93.8534, 79.4452



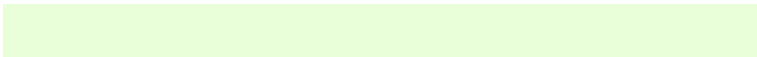
78.4603, 75.1976, 104.9870

Split Complementary

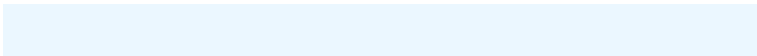
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4747, 93.8534, 113.1563



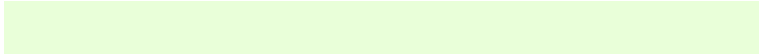
81.8887, 93.8534, 79.4452



91.4322, 93.8534, 137.8284

Square

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



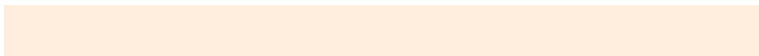
81.8887, 93.8534, 79.4452



80.8623, 93.8534, 125.2945



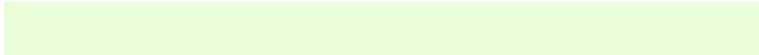
96.9443, 93.8534, 128.9087



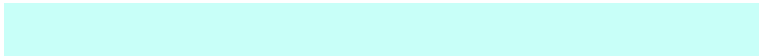
98.1023, 93.8534, 82.1169

Rectangle

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



81.8887, 93.8534, 79.4452



78.2483, 93.8534, 102.8396



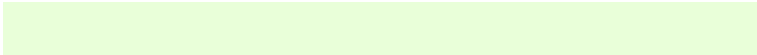
96.9443, 93.8534, 128.9087



101.1392, 93.8534, 101.5440

Sweetspot

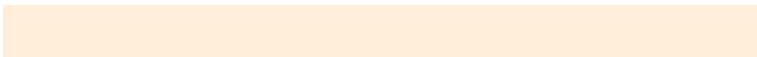
The Sweet Spot groups the original color and five complimentary colors.



81.8894, 93.8537, 79.4466



91.3116, 98.2575, 100.3792



84.4950, 87.7305, 78.1274



19.3976, 20.9627, 21.1532



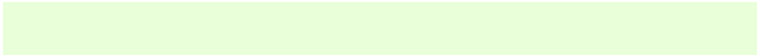
0.0000, 0.0000, 0.0000



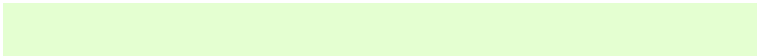
20.3446, 21.4041, 23.3091

Same Dimension

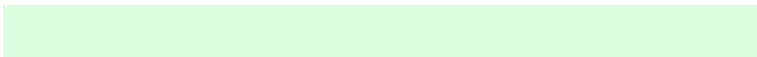
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8894, 93.8537, 79.4466



79.4114, 92.6922, 74.0925



77.2327, 91.4147, 80.9621



18.4964, 20.5418, 19.1344



22.0383, 39.0992, 6.3854



2.2672, 3.8695, 0.6274

Inverse Universe

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



78.4603, 75.1976, 104.9870



75.3588, 70.6471, 104.2721



83.6982, 77.9447, 103.1172



18.0104, 17.8971, 22.7552



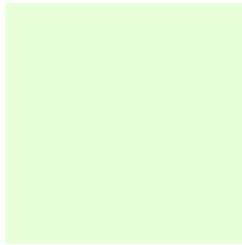
15.9523, 7.1342, 49.9708



1.6780, 0.7589, 4.8713

Previews

White Background



This preview shows how the XYZ color 81.8887, 93.8534, 79.4452 looks on a white background.

Color Contrast Check

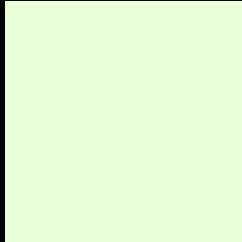
Large Text (above 18pt) WCAG AA × Fail

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 81.8887, 93.8534, 79.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

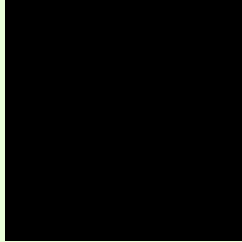
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

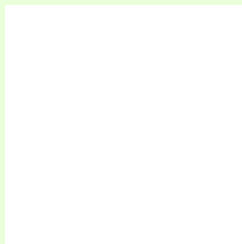
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8887, 93.8534, 79.4452

Background



This preview shows how black text looks on a background with the XYZ color 81.8887, 93.8534, 79.4452.



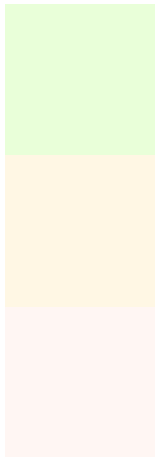
This preview shows how white text looks on a background with the XYZ color 81.8887, 93.8534,

79.4452.

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

81.8887, 93.8534, 79.4452

Protanopia

88.5044, 93.3830, 86.7588

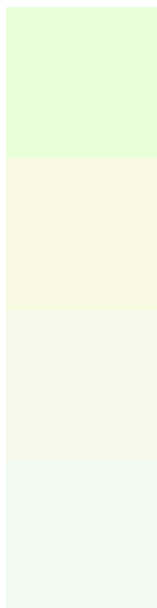
Deuteranopia

90.3734, 93.6426, 98.1057

Tritanopia

89.2736, 93.7673, 108.0014

Trichromacy



Original Color

81.8887, 93.8534, 79.4452

Protanomaly

85.9979, 93.5272, 84.0410

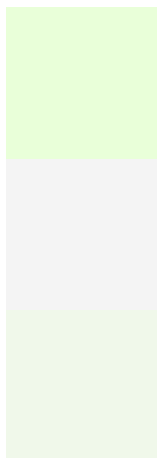
Deuteranomaly

87.0847, 93.4660, 91.2928

Tritanomaly

86.6500, 94.0460, 96.8048

Monochromacy



Original Color

81.8887, 93.8534, 79.4452

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.3539, 91.6006, 91.0767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8887, 93.8534, 79.4452 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 81.8887, 93.8534, 79.4452 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, 217) }
```


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

```
.border{ border-color:rgb(233, 255, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8887, 93.8534, 79.4452 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, 217) }
```

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

```
.background{ background-color: rgb(233,  
255, 217) }
```

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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