

Converting Colors

XYZ(83.1133, 97.1622, 79.8795)

Have a look what the booklet for
XYZ(83.1133, 97.1622, 79.8795)
contains.

XYZ(81.2394, 93.5187, 79.4148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.2394, 93.5187,
79.4148)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFD9
RGB	231, 255, 217
RGB Percent	91%, 100%, 85%
CMY	0.0941, 0.0000, 0.1490
CMYK	0.09, 0.00, 0.15, 0.00
HSL	98°, 100%, 93%
HSV	98°, 15%, 100%
XYZ	81.2394, 93.5187, 79.4148
YIQ	243.4920, -2.1060, -16.9060

Conversions

Conversions Part 2

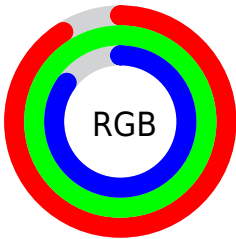
Format	Color
R_{YB}	217, 255, 241
Decimal	15204313
CIE _{Lab}	97.44, -14.44, 15.55
CIE _{LCh}	97, 21.226, 132.885
Yxy	93.5187, 0.3196, 0.3679
Android (android.graphics.Color)	4293394393 (0xFFE7FFD9)
YUV	243.4920, -13.0606, -10.9555
Hunter-Lab	96.7051, -19.2807, 19.0042

Details

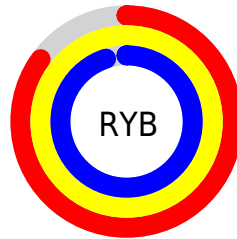
The XYZ color **81.2394, 93.5187, 79.4148** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.1393, 75.5477, 105.0188**, and the grayscale version is **85.6849, 90.1472, 98.1703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3949, 52.1108, 41.9009** is the 20% darker color. If you saturate the color by 10%, you get **73.2131, 89.7351, 63.0423**, and if you desaturate by 10%, it is **90.2579, 97.7546, 98.5117**.

Distribution



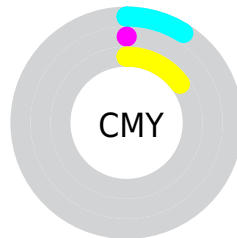
- Red (91%)
- Green (100%)
- Blue (85%)



- 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 81.2394, 93.5187, 79.4148 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 81.2394, 93.5187, 79.4148 by changing the saturation by 10% instead.


 81.2394, 93.5187,
79.4148

 81.2394, 93.5187,
79.4148


487.7731,
539.4118, 512.6131

 61.0508, 70.9027,
58.7136


134.0483,
152.2165, 134.3466

 44.5188, 52.2628,
41.9641


167.3992,
189.0672, 169.4143

 31.2783, 37.2146,
28.7478


205.8683,
231.4315, 210.1079

 20.9637, 25.3737,
18.6462

249.8208,
279.6938, 256.8459

 13.2098, 16.3557,
11.2407

299.6222,
334.2387, 310.0469

 7.6511, 9.7762,
6.1128

355.6378,

 3.9225, 5.2508,

395.4503, 370.1294

2.8439

418.2330,
463.7132, 437.5120

■ 1.6584, 2.3952,
1.0155

■ 0.4300, 0.8234,
0.0000

■ 81.2394, 93.5187,
79.4148

■ 81.2394, 93.5187,
79.4148

■ 73.2131, 89.7351,
63.0423

■ 90.2579, 97.7546,
98.5117

■ 66.1408, 86.3867,
49.2657

95.0500, 100.0000,
108.9000

■ 59.9844, 83.4570,
37.9528

■ 54.7024, 80.9277,
28.9578

■ 50.2495, 78.7789,
22.1195

■ 46.5760, 76.9889,
17.2563

■ 43.6251, 75.5333,
14.1566

■ 41.3302, 74.3831,
12.5599

■ 40.3706, 73.8969,
12.1358

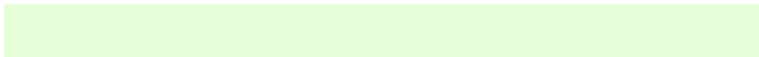
Harmonies

Analogous

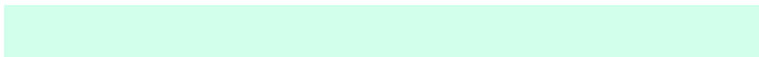
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3303, 93.5187, 72.8066



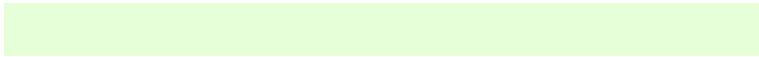
81.2394, 93.5187, 79.4148



78.2761, 93.5187, 92.3777

Triad

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



81.2394, 93.5187, 79.4148



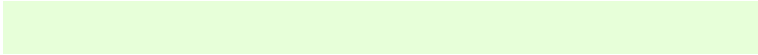
85.5234, 93.5187, 136.9104



100.6554, 93.5187, 94.6106

Complementary

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



81.2394, 93.5187, 79.4148



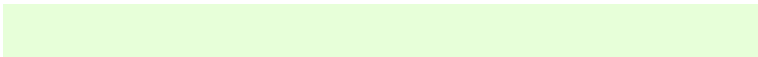
79.1393, 75.5477, 105.0188

Split Complementary

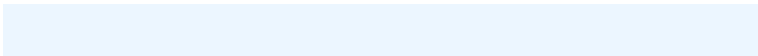
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4154, 93.5187, 111.8974



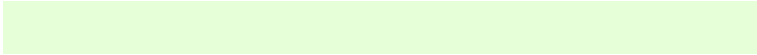
81.2394, 93.5187, 79.4148



91.4932, 93.5187, 137.6834

Square

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



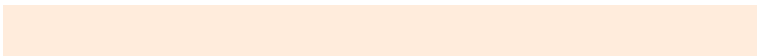
81.2394, 93.5187, 79.4148



80.6717, 93.5187, 126.0946



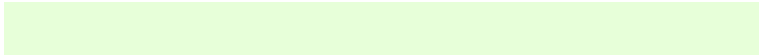
96.9995, 93.5187, 128.1005



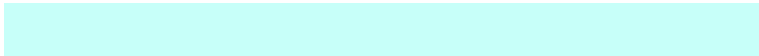
97.6413, 93.5187, 80.8899

Rectangle

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



81.2394, 93.5187, 79.4148



77.8195, 93.5187, 103.5037



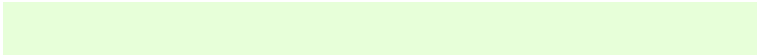
96.9995, 93.5187, 128.1005



100.9565, 93.5187, 100.1665

Sweetspot

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



81.2400, 93.5190, 79.4162



91.1204, 98.1589, 100.3702



85.0527, 88.8460, 78.3133



19.3493, 20.9377, 21.1509



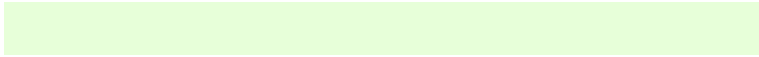
0.0000, 0.0000, 0.0000



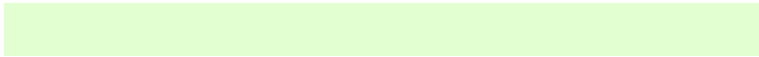
20.3446, 21.4041, 23.3091

Same Dimension

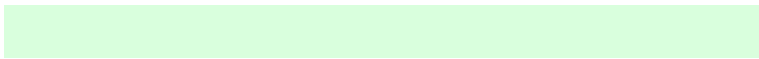
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2400, 93.5190, 79.4162



78.6483, 92.2988, 74.0568



77.4851, 91.5157, 82.2914



18.4035, 20.4939, 19.1301



21.2445, 38.6900, 6.3482



2.1839, 3.8266, 0.6235

Inverse Universe

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



79.1393, 75.5477, 105.0188



76.1650, 71.0627, 104.3099



83.3978, 77.8245, 101.5353



18.1059, 17.9463, 22.7597



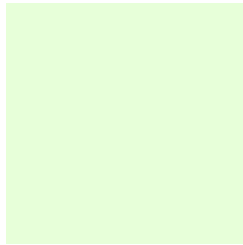
17.2873, 7.8224, 50.0333



1.8037, 0.8237, 4.8772

Previews

White Background



This preview shows how the XYZ color 81.2394, 93.5187, 79.4148 looks on a white background.

Color Contrast Check

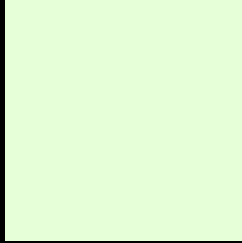
Large Text (above 18pt) WCAG AA × Fail

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 81.2394, 93.5187, 79.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

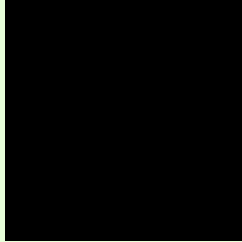
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

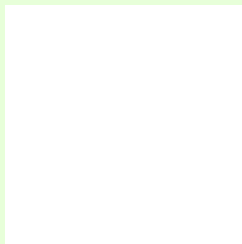
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2394, 93.5187, 79.4148

Background



This preview shows how black text looks on a background with the XYZ color 81.2394, 93.5187, 79.4148.



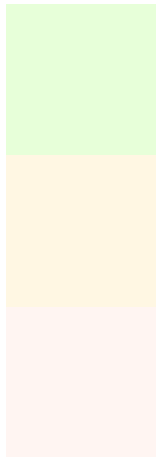
This preview shows how white text looks on a background with the XYZ color 81.2394, 93.5187,

79.4148.

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

81.2394, 93.5187, 79.4148

Protanopia

88.3659, 93.3276, 86.0297

Deuteranopia

89.9194, 92.9756, 97.2112

Tritanopia

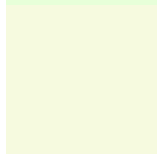
88.9256, 93.5879, 107.9851

Trichromacy



Original Color

81.2394, 93.5187, 79.4148



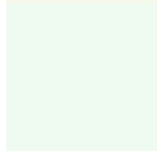
Protanomaly

85.5109, 93.2918, 83.3122



Deuteranomaly

86.5897, 93.2274, 90.5217



Tritanomaly

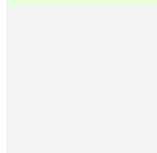
85.9710, 93.6960, 96.7731

Monochromacy



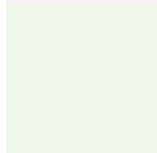
Original Color

81.2394, 93.5187, 79.4148



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.7087, 90.8128, 90.9586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2394, 93.5187, 79.4148 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 81.2394, 93.5187, 79.4148 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, 217) }
```


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

```
.border{ border-color:rgb(231, 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(231, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2394, 93.5187, 79.4148 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, 217) }
```

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

```
.background{ background-color: rgb(231,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor