

Converting Colors

XYZ(83.1222, 94.5028, 78.8951)

Have a look what the booklet for
XYZ(83.1222, 94.5028, 78.8951)
contains.

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Color

**XYZ(83.0797, 94.4824,
78.8239)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFD8
RGB	237, 255, 216
RGB Percent	93%, 100%, 85%
CMY	0.0706, 0.0000, 0.1529
CMYK	0.07, 0.00, 0.15, 0.00
HSL	88°, 100%, 92%
HSV	88°, 15%, 100%
XYZ	83.0797, 94.4824, 78.8239
YIQ	245.1720, 1.7910, -15.9450

Conversions

Conversions Part 2

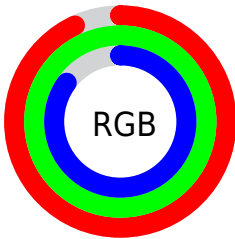
Format	Color
R_{YB}	216, 255, 234
Decimal	15597528
CIE _{Lab}	97.83, -12.56, 16.67
CIE _{LCh}	98, 20.873, 127.002
Yxy	94.4824, 0.3240, 0.3685
Android (android.graphics.Color)	4293787608 (0xFFE _{FF} D8)
YUV	245.1720, -14.3818, -7.1668
Hunter-Lab	97.2021, -17.5376, 19.9615

Details

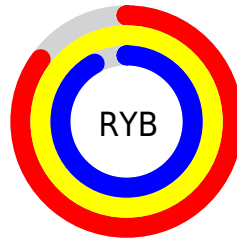
The XYZ color **83.0797, 94.4824, 78.8239** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.5384, 73.8254, 104.8235**, and the grayscale version is **87.0399, 91.5728, 99.7228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6832, 52.7851, 41.4990** is the 20% darker color. If you saturate the color by 10%, you get **76.2329, 91.3045, 62.6090**, and if you desaturate by 10%, it is **90.6974, 97.9985, 97.7481**.

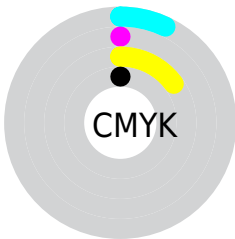
Distribution



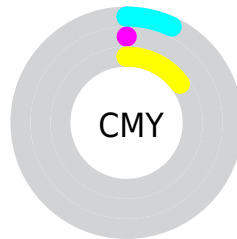
- Red (93%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (92%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0797, 94.4824, 78.8239 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 83.0797, 94.4824, 78.8239 by changing the saturation by 10% instead.


 83.0797, 94.4824,
78.8239

 83.0797, 94.4824,
78.8239

493.8320,
542.5066, 510.5623

 62.5730, 71.7043,
58.2306


136.6150,
153.5493, 133.5073

 45.7532, 52.9171,
41.5781


170.3744,
190.6069, 168.4345

 32.2549, 37.7366,
28.4480


209.2821,
233.1931, 208.9767

 21.7128, 25.7783,
18.4217

253.7034,
281.6922, 255.5525

 13.7614, 16.6579,
11.0806

304.0036,
336.4887, 308.5804

 8.0355, 9.9909,
6.0062

360.5483,

 4.1697, 5.3929,

397.9671, 368.4790

2.7800

423.7026,
466.5116, 435.6668

■ 1.7986, 2.4796,
0.9834

■ 0.5168, 0.8664,
0.0000

■ 83.0797, 94.4824,
78.8239

■ 83.0797, 94.4824,
78.8239

■ 76.2329, 91.3045,
62.6090

■ 90.6974, 97.9985,
97.7481

■ 70.1267, 88.4521,
48.9752

95.0500, 100.0000,
108.9000

■ 64.7312, 85.9126,
37.7900

■ 60.0137, 83.6723,
28.9075

■ 55.9380, 81.7163,
22.1665

■ 52.4642, 80.0277,
17.3847

■ 49.5460, 78.5874,
14.3494

■ 47.1277, 77.3726,
12.7984

■ 46.1271, 76.8644,
12.4052

Harmonies

Analogous

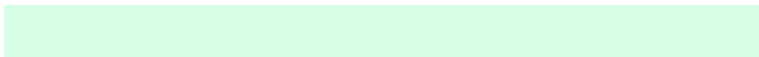
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4128, 94.4824, 73.6130



83.0797, 94.4824, 78.8239



79.6598, 94.4824, 90.5758

Triad

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



83.0797, 94.4824, 78.8239



85.3986, 94.4824, 136.1466



101.6661, 94.4824, 98.9256

Complementary

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



83.0797, 94.4824, 78.8239



76.5384, 73.8254, 104.8235

Split Complementary

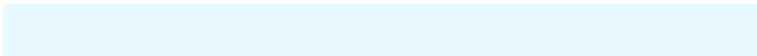
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.7720, 94.4824, 116.2407



83.0797, 94.4824, 78.8239



91.2071, 94.4824, 139.0165

Square

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



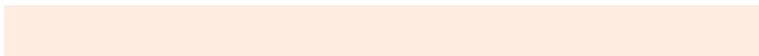
83.0797, 94.4824, 78.8239



80.9566, 94.4824, 123.9225



96.8789, 94.4824, 131.3801



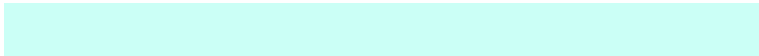
99.2708, 94.4824, 84.3572

Rectangle

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



83.0797, 94.4824, 78.8239



78.8361, 94.4824, 101.1678



96.8789, 94.4824, 131.3801



101.7419, 94.4824, 104.6019

Sweetspot

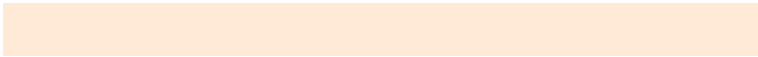
The Sweet Spot groups the original color and five complimentary colors.



83.0803, 94.4827, 78.8253



90.9327, 98.1068, 98.3452



82.9301, 84.8083, 76.9659



19.3429, 20.9434, 20.7446



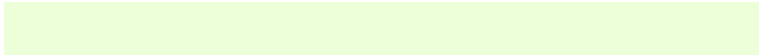
0.0000, 0.0000, 0.0000



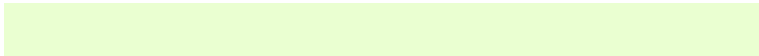
20.3446, 21.4041, 23.3091

Same Dimension

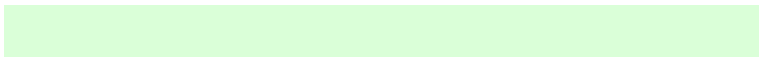
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0803, 94.4827, 78.8253



81.1521, 93.5896, 74.1740



77.0540, 91.3760, 78.5433



18.7059, 20.6498, 19.1442



24.2767, 40.2532, 6.4901



2.4898, 3.9843, 0.6378

Inverse Universe

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



76.5384, 73.8254, 104.8235



73.5995, 69.7401, 104.1898



83.1326, 77.2248, 105.1321



17.7997, 17.7885, 22.7453



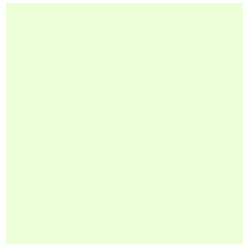
13.4815, 5.8605, 49.8552



1.4370, 0.6347, 4.8600

Previews

White Background



This preview shows how the XYZ color 83.0797, 94.4824, 78.8239 looks on a white background.

Color Contrast Check

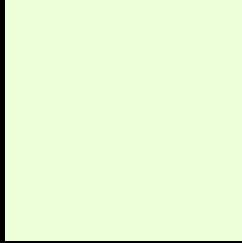
Large Text (above 18pt) WCAG AA × Fail

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 83.0797, 94.4824, 78.8239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

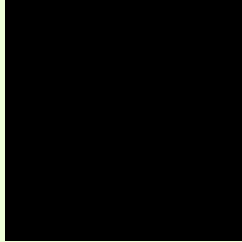
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

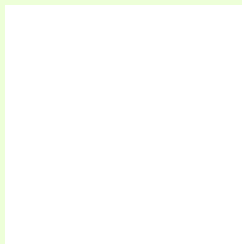
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0797, 94.4824, 78.8239

Background



This preview shows how black text looks on a background with the XYZ color 83.0797, 94.4824, 78.8239.



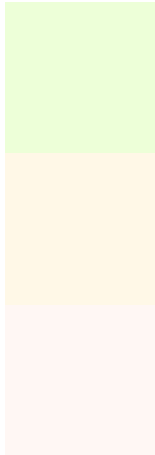
This preview shows how white text looks on a background with the XYZ color 83.0797, 94.4824,

78.8239.

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

83.0797, 94.4824, 78.8239

Protanopia

89.2312, 94.1643, 89.0738

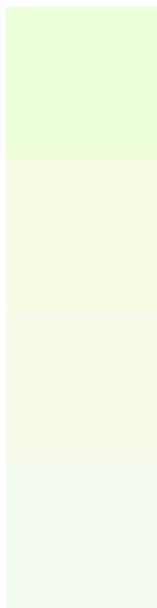
Deuteranopia

90.8299, 94.3132, 99.0050

Tritanopia

89.9752, 94.1290, 108.0342

Trichromacy



Original Color

83.0797, 94.4824, 78.8239

Protanomaly

86.9360, 94.4418, 85.5986

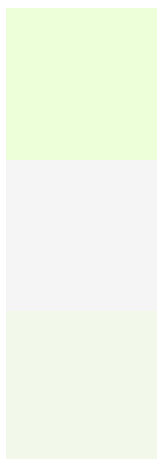
Deuteranomaly

87.7483, 94.2682, 91.4127

Tritanomaly

87.3365, 94.3999, 96.8370

Monochromacy



Original Color

83.0797, 94.4824, 78.8239

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.3449, 92.5691, 91.2114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0797, 94.4824, 78.8239 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(237, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 216)  
}
```

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(237, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 83.0797, 94.4824, 78.8239 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(237, 255, 216) }
```


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

```
.border{ border-color:rgb(237, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 255, 216); box-shadow:4px 4px 4px 4px rgb(237, 255, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0797, 94.4824, 78.8239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 216) }
```

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

```
.background{ background-color: rgb(237,  
255, 216) }
```

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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