

Converting Colors

XYZ(83.1572, 93.3988, 80.5053)

Have a look what the booklet for
XYZ(83.1572, 93.3988, 80.5053)
contains.

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Color

**XYZ(83.1714, 93.5422,
80.6897)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EEFDDB |
| RGB | 238, 253, 219 |
| RGB Percent | 93%, 99%, 86% |
| CMY | 0.0667, 0.0078, 0.1412 |
| CMYK | 0.06, 0.00, 0.13, 0.01 |
| HSL | 86°, 90%, 93% |
| HSV | 86°, 13%, 99% |
| XYZ | 83.1714, 93.5422, 80.6897 |
| YIQ | 244.6390, 1.9740, -13.7540 |

Conversions

Conversions Part 2

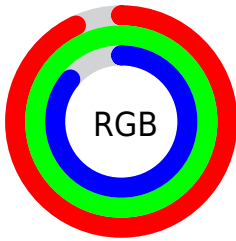
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 219, 253, 234 |
| Decimal | 15662555 |
| CIELab | 97.45, -10.75, 14.61 |
| CIELCh | 97, 18.142, 126.353 |
| Yxy | 93.5422, 0.3231, 0.3634 |
| Android (android.graphics.Color) | 4293852635 (0xFFEEFDDB) |
| YUV | 244.6390, -12.6400, -5.8224 |
| Hunter-Lab | 96.7172, -15.7551, 18.2373 |

Details

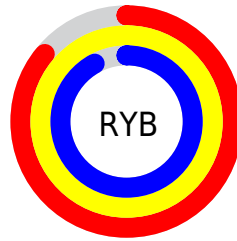
The XYZ color **83.1714, 93.5422, 80.6897** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.9965, 75.2499, 103.4000**, and the grayscale version is **86.6005, 91.1104, 99.2193**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7322, 52.1053, 42.7689** is the 20% darker color. If you saturate the color by 10%, you get **76.4584, 90.4404, 64.2902**, and if you desaturate by 10%, it is **90.6282, 96.9745, 99.7704**.

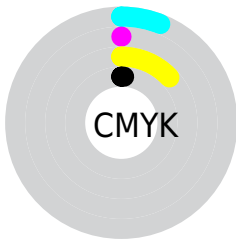
Distribution



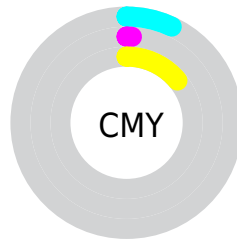
- Red (93%)
- Green (99%)
- Blue (86%)



- Red (86%)
- Yellow (99%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (7%)
- Magenta (1%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.1714, 93.5422, 80.6897 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 83.1714, 93.5422, 80.6897 by changing the saturation by 10% instead.


 83.1714, 93.5422,
80.6897

 83.1714, 93.5422,
80.6897


494.1329,
539.4874, 517.0221

 62.6490, 70.9222,
59.7566

136.7428,
152.2491, 136.1551

 45.8149, 52.2787,
42.7984


170.5224,
189.1047, 171.5245

 32.3037, 37.2273,
29.3968


209.4518,
231.4745, 212.5430

 21.7503, 25.3835,
19.1330

253.8963,
279.7426, 259.6293

 13.7891, 16.3630,
11.5886

304.2214,
334.2936, 313.2018

 8.0548, 9.7814,
6.3451

360.7922,

 4.1822, 5.2543,

395.5118, 373.6790

2.9839

423.9743,
463.7816, 441.4796

■ 1.8057, 2.3972,
1.0864

■ 0.5211, 0.8245,
0.0000

■ 83.1714, 93.5422,
80.6897

■ 83.1714, 93.5422,
80.6897

■ 76.4584, 90.4404,
64.2902

■ 90.6282, 96.9745,
99.7704

■ 70.4548, 87.6456,
50.4458

■ 94.4172, 98.7343,
108.6891

■ 65.1342, 85.1499,
39.0291

■ 60.4655, 82.9403,
29.8994

■ 56.4148, 81.0028,
22.9017

■ 52.9443, 79.3217,
17.8616

■ 50.0108, 77.8791,
14.5772

■ 47.5627, 76.6537,
12.8028

■ 46.1736, 75.9490,
12.2260

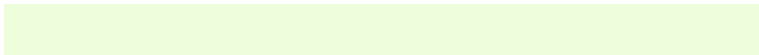
Harmonies

Analogous

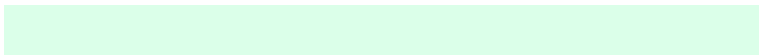
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8185, 93.5422, 76.2022



83.1714, 93.5422, 80.6897



80.1490, 93.5422, 90.9022

Triad

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



83.1714, 93.5422, 80.6897



84.9988, 93.5422, 130.0801



99.1109, 93.5422, 98.7475

Complementary

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



83.1714, 93.5422, 80.6897



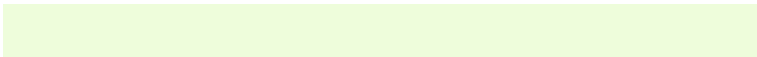
76.9965, 75.2499, 103.4000

Split Complementary

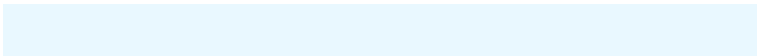
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.2853, 93.5422, 113.6466



83.1714, 93.5422, 80.6897



90.0086, 93.5422, 132.6936

Square

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



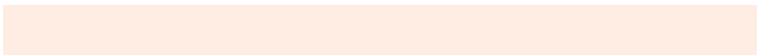
83.1714, 93.5422, 80.6897



81.1752, 93.5422, 119.5910



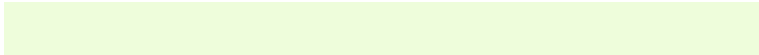
94.9047, 93.5422, 126.4233



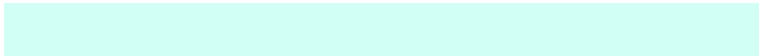
97.1192, 93.5422, 85.9593

Rectangle

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



83.1714, 93.5422, 80.6897



79.3947, 93.5422, 100.0597



94.9047, 93.5422, 126.4233



99.1547, 93.5422, 103.6647

Sweetspot

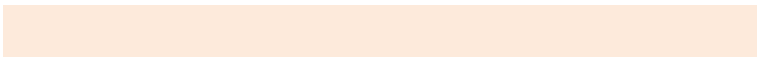
The Sweet Spot groups the original color and five complimentary colors.



83.1739, 93.5463, 80.6917



91.8143, 98.5167, 100.4027



82.6446, 84.6944, 79.0110



19.5248, 21.0282, 21.1592



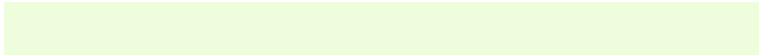
0.0000, 0.0000, 0.0000



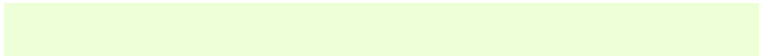
20.3446, 21.4041, 23.3091

Same Dimension

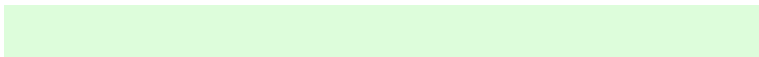
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1739, 93.5463, 80.6917



82.8470, 94.3892, 77.6048



77.8144, 90.7833, 80.4409



18.7424, 20.6687, 19.1459



24.7318, 40.4878, 6.5114



2.5337, 4.0069, 0.6399

Inverse Universe

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



76.9965, 75.2499, 103.4000



75.4920, 72.6043, 104.6429



82.7523, 78.2171, 103.6694



17.7637, 17.7699, 22.7436



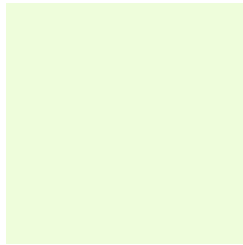
13.1228, 5.6755, 49.8384



1.4008, 0.6160, 4.8584

Previews

White Background



This preview shows how the XYZ color 83.1714, 93.5422, 80.6897 looks on a white background.

Color Contrast Check

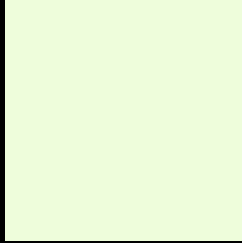
Large Text (above 18pt) WCAG AA × Fail

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 83.1714, 93.5422, 80.6897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

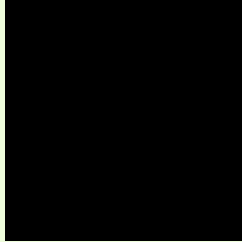
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

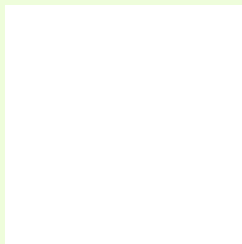
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1714, 93.5422, 80.6897

Background



This preview shows how black text looks on a background with the XYZ color 83.1714, 93.5422, 80.6897.



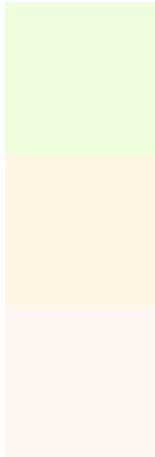
This preview shows how white text looks on a background with the XYZ color 83.1714, 93.5422,

80.6897.

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

83.1714, 93.5422, 80.6897

Protanopia

88.5044, 93.3830, 86.7588

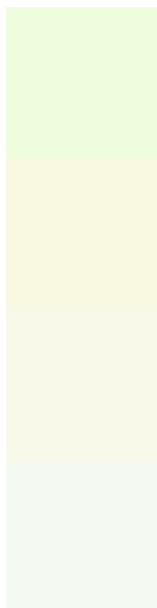
Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

89.6685, 93.5157, 107.9320

Trichromacy



Original Color

83.1714, 93.5422, 80.6897

Protanomaly

86.5332, 93.3273, 84.6874

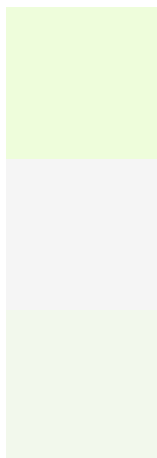
Deuteranomaly

87.7939, 93.8316, 91.3260

Tritanomaly

87.2109, 93.3953, 97.4350

Monochromacy



Original Color

83.1714, 93.5422, 80.6897

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.3257, 92.0682, 92.6307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1714, 93.5422, 80.6897 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(238, 253, 219)` looks like.

```
.text, #text, p{  
    color:rgb(238, 253, 219)  
}
```

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(238, 253, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 253, 219) }
```

Border

The CSS property to change the border of an element to XYZ 83.1714, 93.5422, 80.6897 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(238, 253, 219) }
```


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

```
.border{ border-color:rgb(238, 253, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 253, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 253, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 253, 219);  
box-shadow:4px 4px 4px 4px rgb(238, 253,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1714, 93.5422, 80.6897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 253, 219) }
```

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

```
.background{ background-color: rgb(238,  
253, 219) }
```

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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