

Converting Colors

XYZ(85.2016, 100.7711,
71.6910)

Have a look what the booklet for
XYZ(85.2016, 100.7711, 71.6910)
contains.

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Color

**XYZ(81.7994, 94.0089,
70.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFCB
RGB	238, 255, 203
RGB Percent	93%, 100%, 80%
CMY	0.0667, 0.0000, 0.2039
CMYK	0.07, 0.00, 0.20, 0.00
HSL	80°, 100%, 90%
HSV	80°, 20%, 100%
XYZ	81.7994, 94.0089, 70.3342
YIQ	243.9890, 6.5600, -19.7760

Conversions

Conversions Part 2

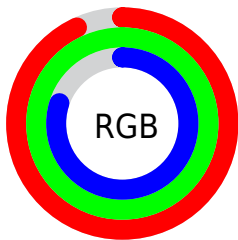
Format	Color
R _Y B	203, 255, 220
Decimal	15663051
CIE Lab	97.64, -14.21, 23.04
CIE LCh	98, 27.065, 121.670
Yxy	94.0089, 0.3323, 0.3819
Android (android.graphics.Color)	4293853131 (0xFFEEFFCB)
YUV	243.9890, -20.2076, -5.2524
Hunter-Lab	96.9582, -19.0842, 24.8613

Details

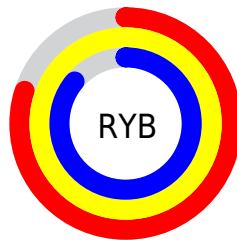
The XYZ color **81.7994, 94.0089, 70.3342** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.9221, 65.1488, 103.5501**, and the grayscale version is **86.1325, 90.6181, 98.6831**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9103, 52.5032, 36.2009** is the 20% darker color. If you saturate the color by 10%, you get **76.2715, 91.4819, 55.4958**, and if you desaturate by 10%, it is **87.9579, 96.8033, 87.8139**.

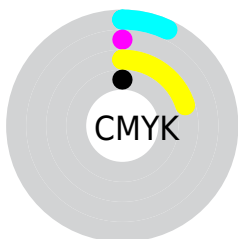
Distribution



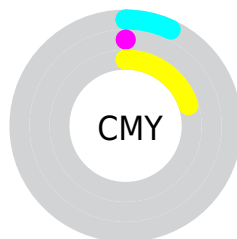
- Red (93%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7994, 94.0089, 70.3342 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 81.7994, 94.0089, 70.3342 by changing the saturation by 10% instead.


 81.7994, 94.0089,
70.3342

 81.7994, 94.0089,
70.3342


489.6211,
540.9872, 480.5434

 61.5137, 71.3104,
51.3205


134.8299,
152.8947, 121.3708

 44.8940, 52.5955,
36.0853


168.3055,
189.8506, 154.2308

 31.5749, 37.4800,
24.2099


206.9085,
232.3279, 192.5434

 21.1910, 25.5793,
15.2757

251.0042,
280.7109, 236.7271

 13.3769, 16.5092,
8.8644

300.9579,
335.3839, 287.2004

 7.7674, 9.8852,
4.5572

357.1351,

 3.9970, 5.3229,

396.7313, 344.3818

1.9357

419.9010,
465.1376, 408.6900

■ 1.7004, 2.4379,
0.5153

■ 0.4565, 0.8453,
0.0000

■ 81.7994, 94.0089,
70.3342

■ 81.7994, 94.0089,
70.3342

■ 76.2715, 91.4819,
55.4958

■ 87.9579, 96.8033,
87.8139

■ 71.3465, 89.2108,
43.1658

94.7698, 99.8741,
108.0505

■ 66.9965, 87.1842,
33.2062

95.0500, 100.0000,
108.9000

■ 63.1909, 85.3898,
25.4639

■ 59.8952, 83.8135,
19.7679

■ 57.0704, 82.4394,
15.9223

■ 54.6702, 81.2489,
13.6930

■ 52.6934, 80.2495,
12.7125

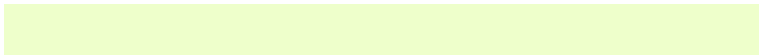
Harmonies

Analogous

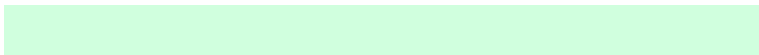
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9218, 94.0089, 65.5425



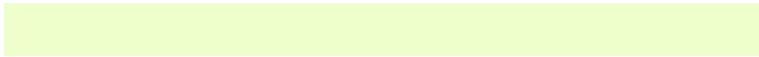
81.7994, 94.0089, 70.3342



76.9385, 94.0089, 83.5195

Triad

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



81.7994, 94.0089, 70.3342



82.5062, 94.0089, 144.4241



104.9913, 94.0089, 101.1287

Complementary

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



81.7994, 94.0089, 70.3342



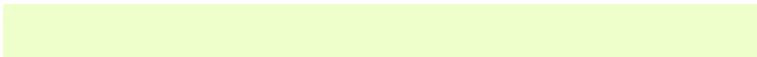
68.9221, 65.1488, 103.5501

Split Complementary

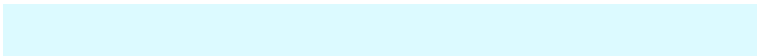
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.0351, 94.0089, 123.8393



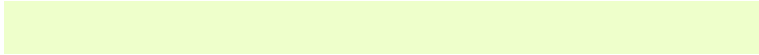
81.7994, 94.0089, 70.3342



89.7849, 94.0089, 150.8872

Square

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



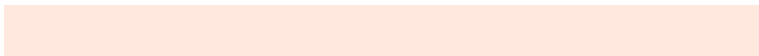
81.7994, 94.0089, 70.3342



77.3297, 94.0089, 126.2859



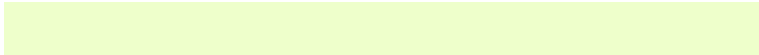
97.3571, 94.0089, 142.8749



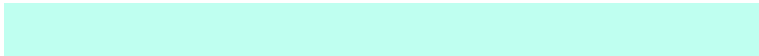
102.5613, 94.0089, 81.6642

Rectangle

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



81.7994, 94.0089, 70.3342



75.4835, 94.0089, 96.3359



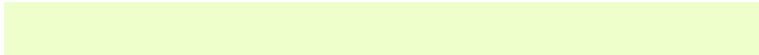
97.3571, 94.0089, 142.8749



104.8244, 94.0089, 108.6295

Sweetspot

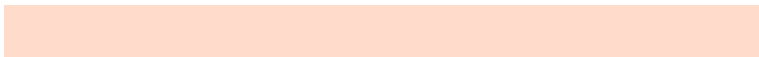
The Sweet Spot groups the original color and five complimentary colors.



81.8000, 94.0092, 70.3356



90.8673, 98.1171, 96.3539



77.4736, 76.4796, 67.1801



19.3550, 20.9585, 20.3445



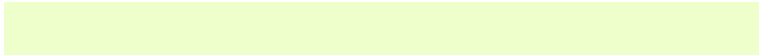
0.0000, 0.0000, 0.0000



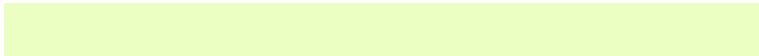
20.3446, 21.4041, 23.3091

Same Dimension

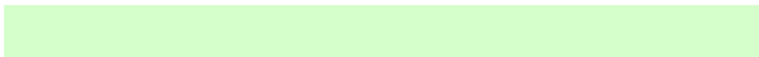
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8000, 94.0092, 70.3356



79.7336, 93.0670, 64.6826



73.8457, 89.9086, 69.9633



18.9502, 20.7757, 19.1557



27.6972, 42.0165, 6.6502



2.8118, 4.1503, 0.6529

Inverse Universe

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



68.9221, 65.1488, 103.5501



64.9727, 59.9818, 102.7610



77.2258, 69.4295, 103.9387



17.5622, 17.6661, 22.7342



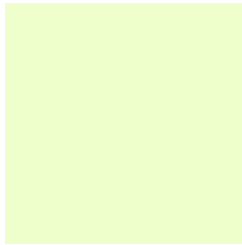
11.4511, 4.8137, 49.7602



1.2242, 0.5250, 4.8501

Previews

White Background



This preview shows how the XYZ color 81.7994, 94.0089, 70.3342 looks on a white background.

Color Contrast Check

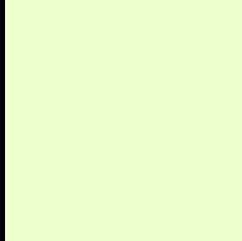
Large Text (above 18pt) WCAG AA × Fail

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 81.7994, 94.0089, 70.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

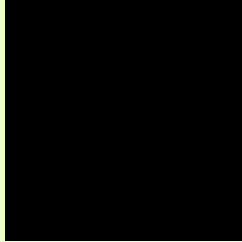
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

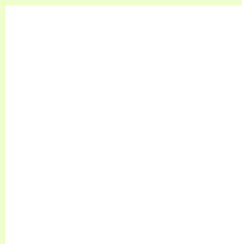
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7994, 94.0089, 70.3342

Background



This preview shows how black text looks on a background with the XYZ color 81.7994, 94.0089, 70.3342.



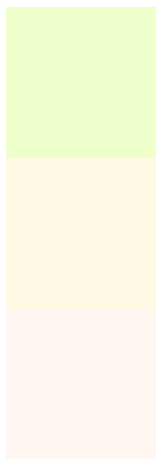
This preview shows how white text looks on a background with the XYZ color 81.7994, 94.0089,

70.3342.

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

81.7994, 94.0089, 70.3342

Protanopia

88.6725, 93.9409, 86.1319

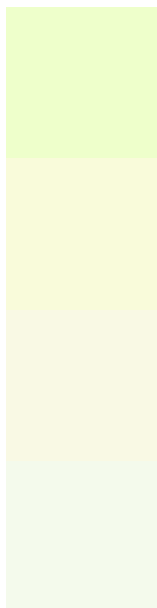
Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

90.0222, 93.6980, 107.9486

Trichromacy



Original Color

81.7994, 94.0089, 70.3342

Protanomaly

86.2190, 94.1961, 79.9671

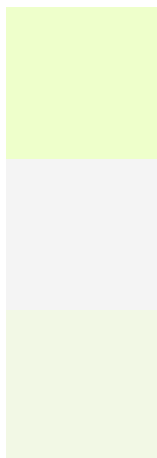
Deuteranomaly

86.9462, 93.4925, 86.8621

Tritanomaly

86.6342, 93.6604, 92.8690

Monochromacy



Original Color

81.7994, 94.0089, 70.3342

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.3282, 91.6692, 87.3781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7994, 94.0089, 70.3342 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, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 203)  
}
```

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, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 81.7994, 94.0089, 70.3342 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, 255, 203) }
```


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

```
.border{ border-color:rgb(238, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7994, 94.0089, 70.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 203) }
```

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

```
.background{ background-color: rgb(238,  
255, 203) }
```

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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