

Converting Colors

XYZ(80.3450, 93.2454, 70.8903)

Have a look what the booklet for
XYZ(80.3450, 93.2454, 70.8903)
contains.

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Color

**XYZ(80.2634, 93.2033,
70.8864)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFCC
RGB	233, 255, 204
RGB Percent	91%, 100%, 80%
CMY	0.0863, 0.0000, 0.2000
CMYK	0.09, 0.00, 0.20, 0.00
HSL	86°, 100%, 90%
HSV	86°, 20%, 100%
XYZ	80.2634, 93.2033, 70.8864
YIQ	242.6080, 3.2590, -20.5250

Conversions

Conversions Part 2

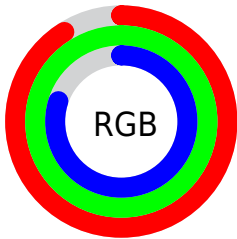
Format	Color
R_{YB}	204, 255, 226
Decimal	15335372
CIE _{Lab}	97.31, -15.80, 22.02
CIE _{LCh}	97, 27.106, 125.662
Y _{xy}	93.2033, 0.3285, 0.3814
Android (android.graphics.Color)	4293525452 (0xFFE9FFCC)
YUV	242.6080, -19.0337, -8.4262
Hunter-Lab	96.5419, -20.5461, 24.0453

Details

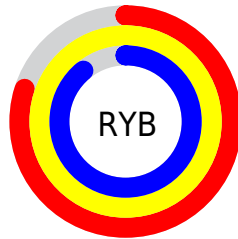
The XYZ color **80.2634, 93.2033, 70.8864** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.0077, 66.5756, 103.7156**, and the grayscale version is **85.0239, 89.4517, 97.4130**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8306, 51.9373, 36.5689** is the 20% darker color. If you saturate the color by 10%, you get **73.9710, 90.2843, 55.9122**, and if you desaturate by 10%, it is **87.2817, 96.4385, 88.5111**.

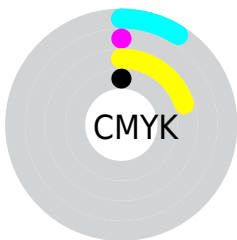
Distribution



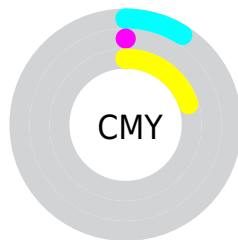
- Red (91%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2634, 93.2033, 70.8864 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 80.2634, 93.2033, 70.8864 by changing the saturation by 10% instead.


 80.2634, 93.2033,
70.8864

 80.2634, 93.2033,
70.8864


484.5431,
538.3969, 482.5292

 60.2443, 70.6405,
51.7682


132.6846,
151.7800, 122.1649

 43.8658, 52.0489,
36.4394


165.8174,
188.5628, 155.1623

 30.7625, 37.0440,
24.4814


204.0522,
230.8543, 193.6232

 20.5690, 25.2416,
15.4756

247.7543,
279.0389, 237.9662

 12.9200, 16.2571,
9.0035

297.2891,
333.5011, 288.6097

 7.4501, 9.7063,
4.6466

353.0219,

 3.7940, 5.2047,

394.6252, 345.9724

1.9864

415.3181,
462.7957, 410.4727

■ 1.5862, 2.3678,
0.5469

■ 0.3834, 0.8093,
0.0000

■ 80.2634, 93.2033,
70.8864

■ 80.2634, 93.2033,
70.8864

■ 73.9710, 90.2843,
55.9122

■ 87.2817, 96.4385,
88.5111

■ 68.3743, 87.6690,
43.4560

95.0500, 100.0000,
108.9000

■ 63.4433, 85.3450,
33.3801

■ 59.1450, 83.2983,
25.5318

■ 55.4425, 81.5140,
19.7410

■ 52.2943, 79.9747,
15.8127

■ 49.6516, 78.6605,
13.5144

■ 47.4374, 77.5399,
12.4666

■ 47.4372, 77.5398,
12.4665

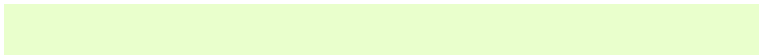
Harmonies

Analogous

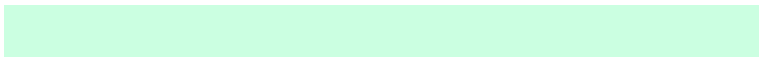
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1398, 93.2033, 64.9844



80.2634, 93.2033, 70.8864



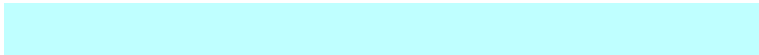
75.8166, 93.2033, 85.0505

Triad

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



80.2634, 93.2033, 70.8864



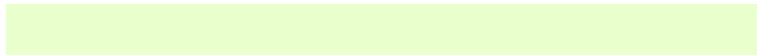
82.6464, 93.2033, 145.0395



104.0897, 93.2033, 97.3722

Complementary

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



80.2634, 93.2033, 70.8864



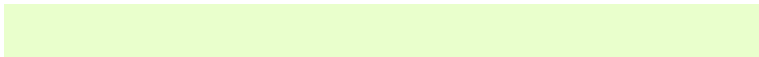
71.0077, 66.5756, 103.7156

Split Complementary

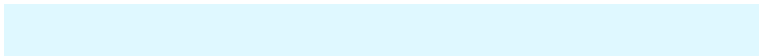
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7164, 93.2033, 119.9054



80.2634, 93.2033, 70.8864



90.0500, 93.2033, 149.5880

Square

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



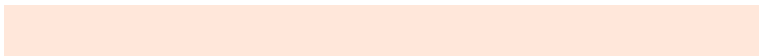
80.2634, 93.2033, 70.8864



77.1358, 93.2033, 128.1544



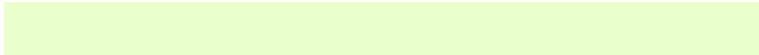
97.4669, 93.2033, 139.8162



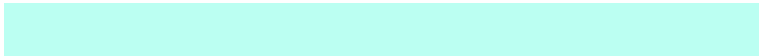
101.1188, 93.2033, 78.7946

Rectangle

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



80.2634, 93.2033, 70.8864



74.6788, 93.2033, 98.3206



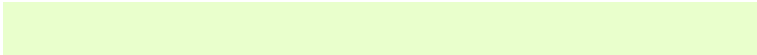
97.4669, 93.2033, 139.8162



104.1228, 93.2033, 104.7116

Sweetspot

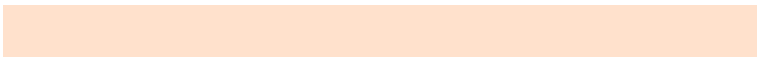
The Sweet Spot groups the original color and five complimentary colors.



80.2640, 93.2036, 70.8878



90.2970, 97.8231, 96.3272



79.1325, 79.6061, 68.3228



19.2201, 20.8890, 20.3382



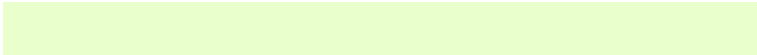
0.0000, 0.0000, 0.0000



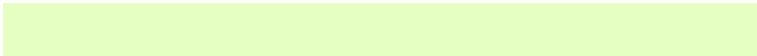
20.3446, 21.4041, 23.3091

Same Dimension

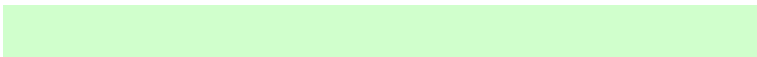
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2640, 93.2036, 70.8878



77.6608, 91.9984, 64.5856



72.7426, 89.3262, 70.5358



18.7603, 20.6779, 19.1468



24.9614, 40.6062, 6.5222



2.5556, 4.0182, 0.6409

Inverse Universe

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



71.0077, 66.5756, 103.7156



66.8730, 60.9614, 102.8499



79.3371, 70.8696, 104.1054



17.7461, 17.7609, 22.7428



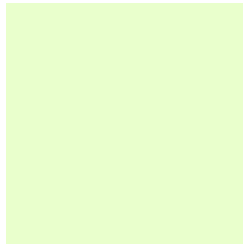
12.9548, 5.5889, 49.8306



1.3836, 0.6072, 4.8575

Previews

White Background



This preview shows how the XYZ color 80.2634, 93.2033, 70.8864 looks on a white background.

Color Contrast Check

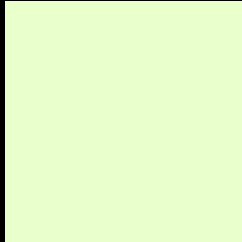
Large Text (above 18pt) WCAG AA × Fail

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 80.2634, 93.2033, 70.8864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

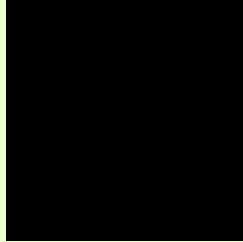
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

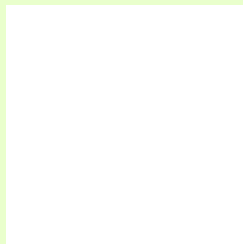
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2634, 93.2033, 70.8864

Background



This preview shows how black text looks on a background with the XYZ color 80.2634, 93.2033, 70.8864.



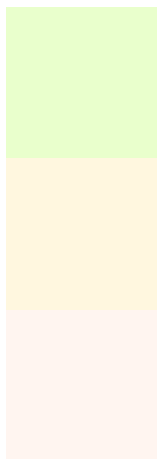
This preview shows how white text looks on a background with the XYZ color 80.2634, 93.2033,

70.8864.

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

80.2634, 93.2033, 70.8864

Protanopia

87.8200, 93.1092, 83.1553

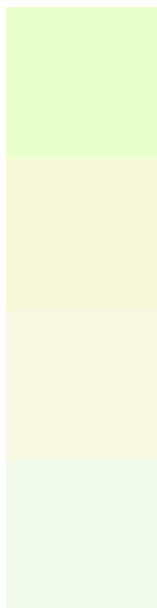
Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



Original Color

80.2634, 93.2033, 70.8864

Protanomaly

84.9380, 93.1032, 78.4598

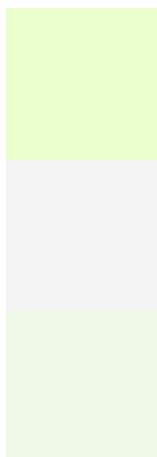
Deuteranomaly

86.0986, 93.0716, 86.0998

Tritanomaly

85.6016, 93.1281, 92.8207

Monochromacy



Original Color

80.2634, 93.2033, 70.8864

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.0002, 90.5294, 87.2281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2634, 93.2033, 70.8864 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 80.2634, 93.2033, 70.8864 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, 204) }
```


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

```
.border{ border-color:rgb(233, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2634, 93.2033, 70.8864 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, 204) }
```

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

```
.background{ background-color: rgb(233,  
255, 204) }
```

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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