

Converting Colors

XYZ(83.9202, 100.0000,
72.6242)

Have a look what the booklet for
XYZ(83.9202, 100.0000, 72.6242)
contains.

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Color

**XYZ(80.7111, 93.4202,
71.5356)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFCD
RGB	234, 255, 205
RGB Percent	92%, 100%, 80%
CMY	0.0823, 0.0000, 0.1961
CMYK	0.08, 0.00, 0.20, 0.00
HSL	85°, 100%, 90%
HSV	85°, 20%, 100%
XYZ	80.7111, 93.4202, 71.5356
YIQ	243.0210, 3.5340, -20.0020

Conversions

Conversions Part 2

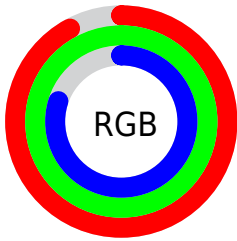
Format	Color
R_{YB}	205, 255, 226
Decimal	15400909
CIE _{Lab}	97.40, -15.30, 21.65
CIE _{LCh}	97, 26.510, 125.260
Yxy	93.4202, 0.3285, 0.3803
Android (android.graphics.Color)	4293590989 (0xFFEAFCD)
YUV	243.0210, -18.7444, -7.9114
Hunter-Lab	96.6541, -20.0882, 23.7762

Details

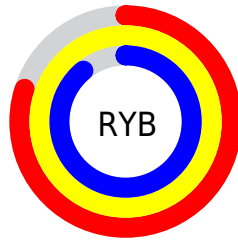
The XYZ color **80.7111, 93.4202, 71.5356** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.2463, 67.0527, 103.7951**, and the grayscale version is **85.3500, 89.7948, 97.7865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1401, 52.0875, 37.0056** is the 20% darker color. If you saturate the color by 10%, you get **74.4687, 90.5292, 56.4636**, and if you desaturate by 10%, it is **87.6690, 96.6219, 89.2624**.

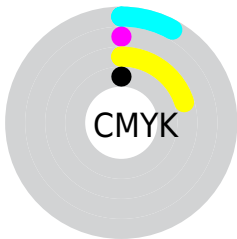
Distribution



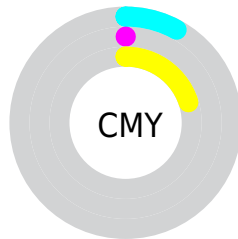
- Red (92%)
- Green (100%)
- Blue (80%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7111, 93.4202, 71.5356 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 80.7111, 93.4202, 71.5356 by changing the saturation by 10% instead.


 80.7111, 93.4202,
71.5356

 80.7111, 93.4202,
71.5356


486.0262,
539.0950, 484.8576

 60.6142, 70.8208,
52.2949


133.3103,
152.0802, 123.0976

 44.1652, 52.1960,
36.8563


166.5433,
188.9097, 156.2560

 30.9989, 37.1613,
24.8013


204.8857,
231.2512, 194.8907

 20.7498, 25.3324,
15.7114

248.7029,
279.4893, 239.4202

 13.0527, 16.3249,
9.1681

298.3601,
334.0084, 290.2631

 7.5421, 9.7543,
4.7527

354.2229,

 3.8527, 5.2364,

395.1927, 347.8380

2.0467

416.6564,
463.4268, 412.5633

■ 1.6191, 2.3866,
0.5838

■ 0.4048, 0.8190,
0.0000

■ 80.7111, 93.4202,
71.5356

■ 80.7111, 93.4202,
71.5356

■ 74.4687, 90.5292,
56.4636

■ 87.6690, 96.6219,
89.2624

■ 68.9120, 87.9367,
43.9142

95.0500, 100.0000,
108.9000

■ 64.0116, 85.6303,
33.7503

■ 59.7346, 83.5965,
25.8199

■ 56.0448, 81.8204,
19.9536

■ 52.9014, 80.2851,
15.9575

■ 50.2562, 78.9709,
13.6011

■ 48.0363, 77.8480,
12.5232

■ 47.9545, 77.8065,
12.4907

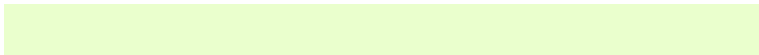
Harmonies

Analogous

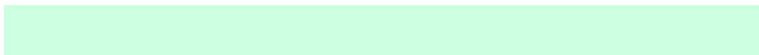
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4752, 93.4202, 65.8291



80.7111, 93.4202, 71.5356



76.3073, 93.4202, 85.3666

Triad

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



80.7111, 93.4202, 71.5356



82.8830, 93.4202, 144.1154



103.9708, 93.4202, 97.9724

Complementary

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



80.7111, 93.4202, 71.5356



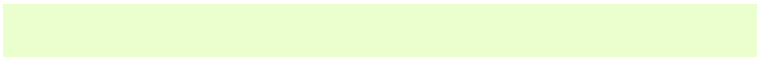
71.2463, 67.0527, 103.7951

Split Complementary

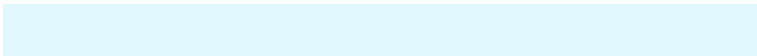
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.5716, 93.4202, 120.0360



80.7111, 93.4202, 71.5356



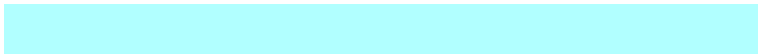
90.1242, 93.4202, 148.7347

Square

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



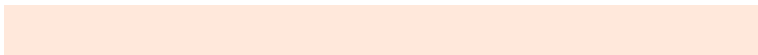
80.7111, 93.4202, 71.5356



77.5108, 93.4202, 127.5235



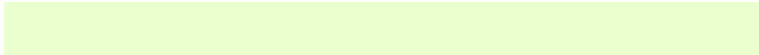
97.3974, 93.4202, 139.3831



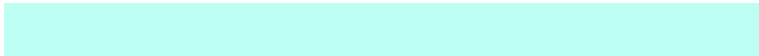
101.1202, 93.4202, 79.6533

Rectangle

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



80.7111, 93.4202, 71.5356



75.1592, 93.4202, 98.3378



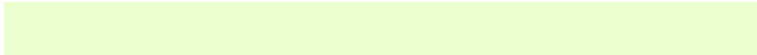
97.3974, 93.4202, 139.3831



103.9835, 93.4202, 105.1762

Sweetspot

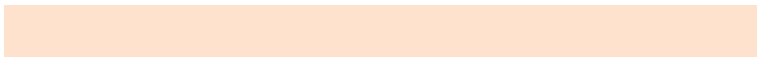
The Sweet Spot groups the original color and five complimentary colors.



80.7117, 93.4204, 71.5370



90.3589, 97.8550, 96.3301



79.4111, 79.9707, 69.0095



19.2347, 20.8965, 20.3389



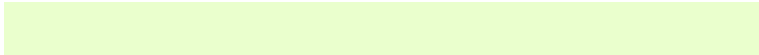
0.0000, 0.0000, 0.0000



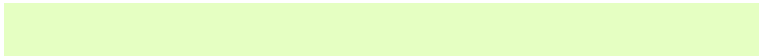
20.3446, 21.4041, 23.3091

Same Dimension

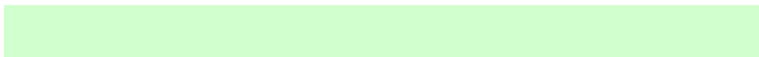
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7117, 93.4204, 71.5370



77.8827, 92.1128, 64.5959



73.1220, 89.5078, 71.1818



18.7808, 20.6884, 19.1477



25.2314, 40.7454, 6.5348



2.5814, 4.0315, 0.6421

Inverse Universe

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



71.2463, 67.0527, 103.7951



66.6626, 60.8530, 102.8400



79.6056, 71.3620, 104.1863



17.7260, 17.7505, 22.7419



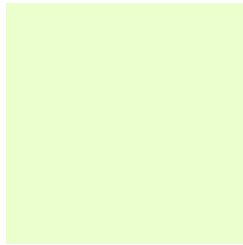
12.7673, 5.4923, 49.8218



1.3644, 0.5973, 4.8566

Previews

White Background



This preview shows how the XYZ color 80.7111, 93.4202, 71.5356 looks on a white background.

Color Contrast Check

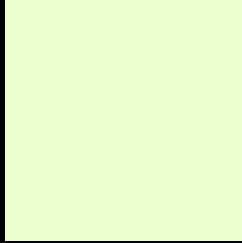
Large Text (above 18pt) WCAG AA × Fail

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 80.7111, 93.4202, 71.5356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

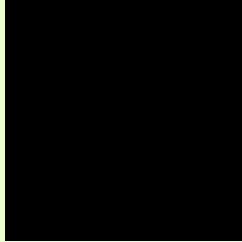
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

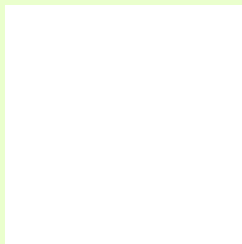
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7111, 93.4202, 71.5356

Background



This preview shows how black text looks on a background with the XYZ color 80.7111, 93.4202, 71.5356.



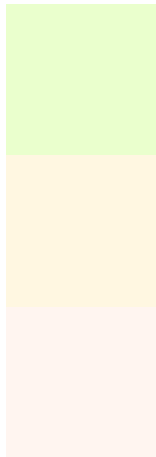
This preview shows how white text looks on a background with the XYZ color 80.7111, 93.4202,

71.5356.

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

80.7111, 93.4202, 71.5356

Protanopia

88.0914, 93.2178, 84.5841

Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

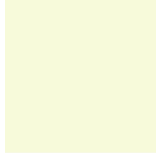
89.3168, 93.3344, 107.9156

Trichromacy



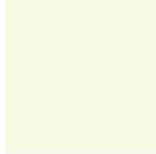
Original Color

80.7111, 93.4202, 71.5356



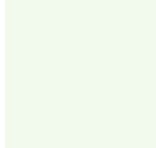
Protanomaly

85.1983, 93.2073, 79.8301



Deuteranomaly

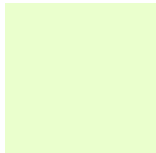
86.0986, 93.0716, 86.0998



Tritanomaly

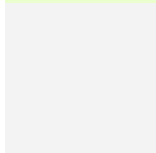
86.0896, 93.3629, 93.6042

Monochromacy



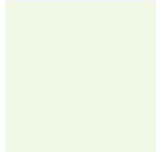
Original Color

80.7111, 93.4202, 71.5356



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.3388, 90.7039, 87.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7111, 93.4202, 71.5356 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(234, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 205)  
}
```

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(234, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 80.7111, 93.4202, 71.5356 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(234, 255, 205) }
```


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

```
.border{ border-color:rgb(234, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7111, 93.4202, 71.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 205) }
```

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

```
.background{ background-color: rgb(234,  
255, 205) }
```

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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