

Converting Colors

XYZ(84.2502, 100.0000,
72.6808)

Have a look what the booklet for
XYZ(84.2502, 100.0000, 72.6808)
contains.

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Color

**XYZ(81.0404, 93.5899,
71.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFCD
RGB	235, 255, 205
RGB Percent	92%, 100%, 80%
CMY	0.0784, 0.0000, 0.1961
CMYK	0.08, 0.00, 0.20, 0.00
HSL	84°, 100%, 90%
HSV	84°, 20%, 100%
XYZ	81.0404, 93.5899, 71.5510
YIQ	243.3200, 4.1300, -19.7900

Conversions

Conversions Part 2

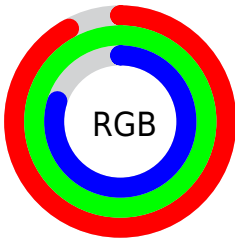
Format	Color
R_{YB}	205, 255, 225
Decimal	15466445
CIE _{Lab}	97.47, -14.96, 21.75
CIE _{LCh}	97, 26.398, 124.512
Yxy	93.5899, 0.3292, 0.3802
Android (android.graphics.Color)	4293656525 (0xFFEBFFCD)
YUV	243.3200, -18.8918, -7.2966
Hunter-Lab	96.7419, -19.7693, 23.8680

Details

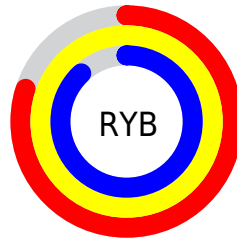
The XYZ color **81.0404, 93.5899, 71.5510** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.9335, 66.8914, 103.7805**, and the grayscale version is **85.5891, 90.0464, 98.0605**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3704, 52.2062, 37.0164** is the 20% darker color. If you saturate the color by 10%, you get **74.9369, 90.7706, 56.4855**, and if you desaturate by 10%, it is **87.8399, 96.7101, 89.2704**.

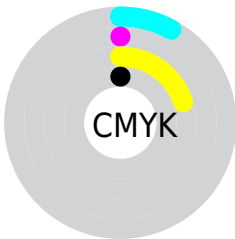
Distribution



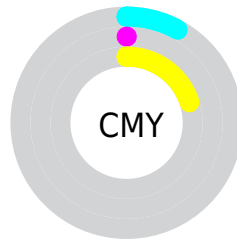
- Red (92%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (88%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.0404, 93.5899, 71.5510 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 81.0404, 93.5899, 71.5510 by changing the saturation by 10% instead.


 81.0404, 93.5899,
71.5510

 81.0404, 93.5899,
71.5510


487.1155,
539.6408, 484.9127

 60.8863, 70.9619,
52.3074


133.7704,
152.3151, 123.1197

 44.3856, 52.3111,
36.8662


167.0769,
189.1810, 156.2819

 31.1730, 37.2531,
24.8089


205.4983,
231.5617, 194.9207

 20.8831, 25.4035,
15.7170

249.3999,
279.8416, 239.4547

 13.1505, 16.3780,
9.1720

299.1471,
334.4051, 290.3023

 7.6100, 9.7920,
4.7552

355.1051,

 3.8961, 5.2613,

395.6365, 347.8822

2.0481

417.6395,
463.9203, 412.6128

■ 1.6435, 2.4014,
0.5846

■ 0.4205, 0.8266,
0.0000

■ 81.0404, 93.5899,
71.5510

■ 81.0404, 93.5899,
71.5510

■ 74.9369, 90.7706,
56.4855

■ 87.8399, 96.7101,
89.2704

■ 69.5003, 88.2399,
43.9418

95.0500, 100.0000,
108.9000

■ 64.7014, 85.9859,
33.7826

■ 60.5081, 83.9953,
25.8561

■ 56.8849, 82.2535,
19.9929

■ 53.7912, 80.7438,
15.9991

■ 51.1798, 79.4470,
13.6443

■ 48.9783, 78.3336,
12.5673

■ 48.8970, 78.2924,
12.5348

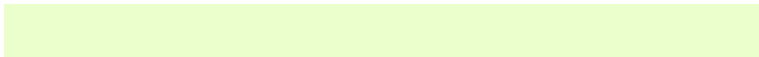
Harmonies

Analogous

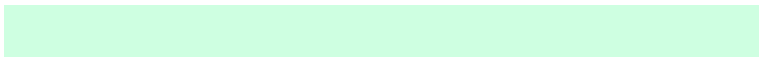
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8261, 93.5899, 66.0633



81.0404, 93.5899, 71.5510



76.5754, 93.5899, 85.1627

Triad

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



81.0404, 93.5899, 71.5510



82.8989, 93.5899, 143.8606



104.1003, 93.5899, 98.6926

Complementary

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



81.0404, 93.5899, 71.5510



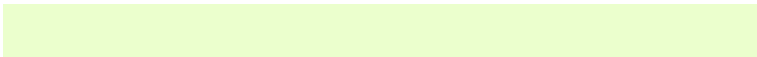
70.9335, 66.8914, 103.7805

Split Complementary

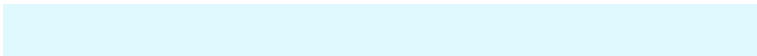
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6003, 93.5899, 120.7059



81.0404, 93.5899, 71.5510



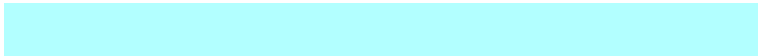
90.0924, 93.5899, 148.8078

Square

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



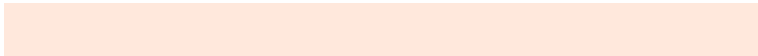
81.0404, 93.5899, 71.5510



77.6054, 93.5899, 127.1085



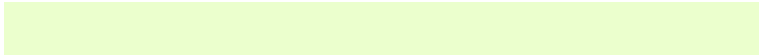
97.3675, 93.5899, 139.8151



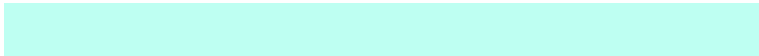
101.3591, 93.5899, 80.2723

Rectangle

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



81.0404, 93.5899, 71.5510



75.3729, 93.5899, 98.0090



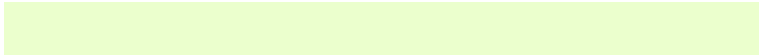
97.3675, 93.5899, 139.8151



104.0765, 93.5899, 105.8998

Sweetspot

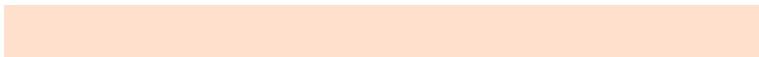
The Sweet Spot groups the original color and five complimentary colors.



81.0410, 93.5902, 71.5524



90.4678, 97.9112, 96.3352



78.9605, 79.0696, 68.8593



19.2605, 20.9098, 20.3401



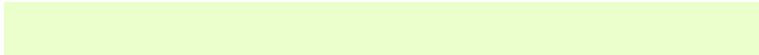
0.0000, 0.0000, 0.0000



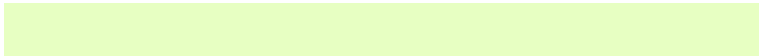
20.3446, 21.4041, 23.3091

Same Dimension

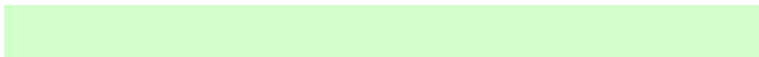
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0410, 93.5902, 71.5524



78.2755, 92.3152, 64.6143



73.5965, 89.7524, 71.2040



18.8171, 20.7071, 19.1494



25.7228, 40.9987, 6.5578



2.6279, 4.0555, 0.6443

Inverse Universe

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



70.9335, 66.8914, 103.7805



66.2945, 60.6632, 102.8228



79.0083, 71.0541, 104.1584



17.6906, 17.7323, 22.7402



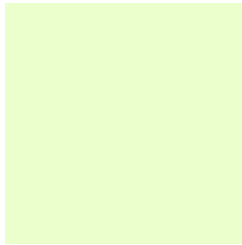
12.4518, 5.3296, 49.8070



1.3317, 0.5804, 4.8551

Previews

White Background



This preview shows how the XYZ color 81.0404, 93.5899, 71.5510 looks on a white background.

Color Contrast Check

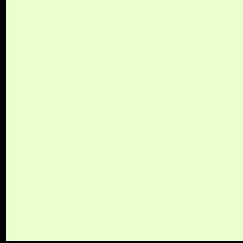
Large Text (above 18pt) WCAG AA × Fail

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 81.0404, 93.5899, 71.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

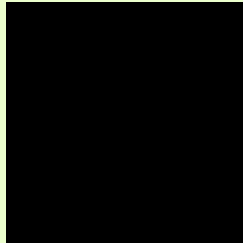
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

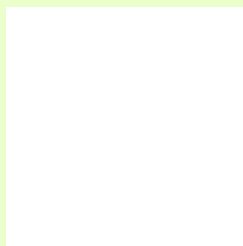
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0404, 93.5899, 71.5510

Background



This preview shows how black text looks on a background with the XYZ color 81.0404, 93.5899, 71.5510.



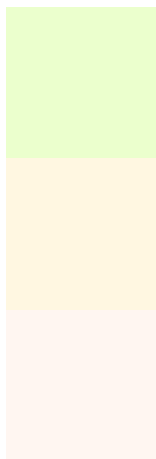
This preview shows how white text looks on a background with the XYZ color 81.0404, 93.5899,

71.5510.

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

81.0404, 93.5899, 71.5510

Protanopia

88.0914, 93.2178, 84.5841

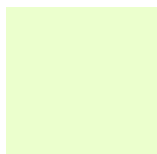
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

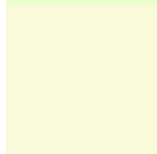
89.3168, 93.3344, 107.9156

Trichromacy



Original Color

81.0404, 93.5899, 71.5510



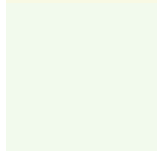
Protanomaly

85.5519, 93.3896, 79.8466



Deuteranomaly

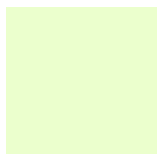
86.5907, 93.3093, 86.8455



Tritanomaly

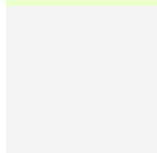
86.0896, 93.3629, 93.6042

Monochromacy



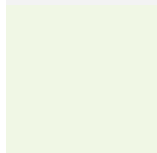
Original Color

81.0404, 93.5899, 71.5510



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 81.0404, 93.5899, 71.5510 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(235, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 81.0404, 93.5899, 71.5510 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(235, 255, 205) }
```


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

```
.border{ border-color:rgb(235, 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(235, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0404, 93.5899, 71.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 205) }
```

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

```
.background{ background-color: rgb(235,  
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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