

Converting Colors

XYZ(81.2227, 93.4996, 79.8864)

Have a look what the booklet for
XYZ(81.2227, 93.4996, 79.8864)
contains.

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Color

**XYZ(81.3699, 93.5709,
80.1020)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFDA
RGB	231, 255, 218
RGB Percent	91%, 100%, 85%
CMY	0.0941, 0.0000, 0.1451
CMYK	0.09, 0.00, 0.15, 0.00
HSL	99°, 100%, 93%
HSV	99°, 15%, 100%
XYZ	81.3699, 93.5709, 80.1020
YIQ	243.6060, -2.4270, -16.5950

Conversions

Conversions Part 2

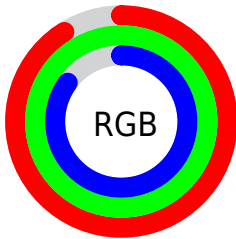
Format	Color
R _Y B	218, 255, 242
Decimal	15204314
CIE Lab	97.46, -14.28, 15.07
CIE LCh	97, 20.763, 133.459
Yxy	93.5709, 0.3190, 0.3669
Android (android.graphics.Color)	4293394394 (0xFFE7FFDA)
YUV	243.6060, -12.6238, -11.0555
Hunter-Lab	96.7321, -19.1289, 18.6155

Details

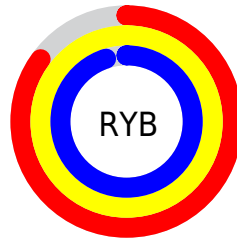
The XYZ color **81.3699, 93.5709, 80.1020** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.7401, 76.2412, 105.1210**, and the grayscale version is **85.7727, 90.2396, 98.2709**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4841, 52.1465, 42.3710** is the 20% darker color. If you saturate the color by 10%, you get **73.1964, 89.7136, 63.6199**, and if you desaturate by 10%, it is **90.5627, 97.8943, 99.3144**.

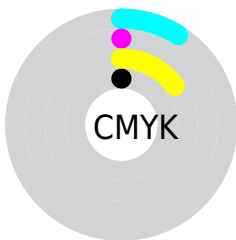
Distribution



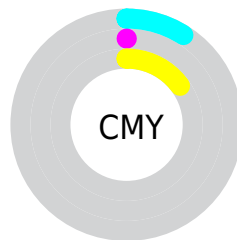
- Red (91%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3699, 93.5709, 80.1020 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 81.3699, 93.5709, 80.1020 by changing the saturation by 10% instead.


 81.3699, 93.5709,
80.1020

 81.3699, 93.5709,
80.1020


488.2041,
539.5797, 514.9923

 61.1586, 70.9461,
59.2756


134.2305,
152.2888, 135.3218

 44.6062, 52.2982,
42.4136


167.6105,
189.1506, 170.5524

 31.3473, 37.2428,
29.0973


206.1108,
231.5270, 211.4214

 21.0166, 25.3956,
18.9082

250.0967,
279.8022, 258.3474

 13.2487, 16.3720,
11.4278

299.9337,
334.3607, 311.7489

 7.6782, 9.7878,
6.2376

355.9870,

 3.9398, 5.2585,

395.5868, 372.0446

2.9190

418.6220,
463.8650, 439.6529

■ 1.6681, 2.3997,
1.0534

■ 0.4362, 0.8257,
0.0000

■ 81.3699, 93.5709,
80.1020

■ 81.3699, 93.5709,
80.1020

■ 73.1964, 89.7136,
63.6199

■ 90.5627, 97.8943,
99.3144

■ 66.0029, 86.3050,
49.7400

95.0500, 100.0000,
108.9000

■ 59.7503, 83.3278,
38.3303

■ 54.3961, 80.7631,
29.2455

■ 49.8937, 78.5905,
22.3251

■ 46.1921, 76.7877,
17.3883

■ 43.2334, 75.3294,
14.2248

■ 40.9496, 74.1862,
12.5766

■ 39.9371, 73.6734,
12.1155

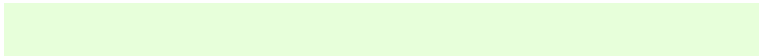
Harmonies

Analogous

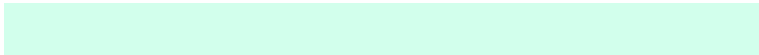
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3257, 93.5709, 73.4765



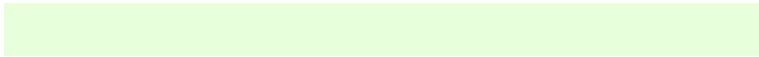
81.3699, 93.5709, 80.1020



78.5132, 93.5709, 92.9230

Triad

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



81.3699, 93.5709, 80.1020



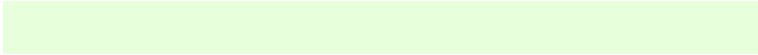
85.7502, 93.5709, 136.2541



100.4142, 93.5709, 94.5167

Complementary

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



81.3699, 93.5709, 80.1020



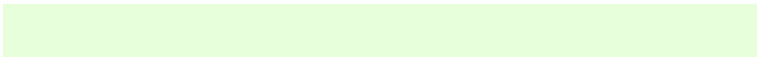
79.7401, 76.2412, 105.1210

Split Complementary

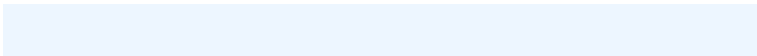
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.2434, 93.5709, 111.4008



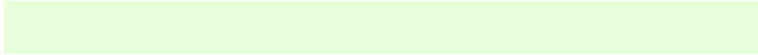
81.3699, 93.5709, 80.1020



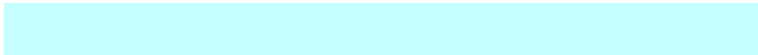
91.5991, 93.5709, 136.8029

Square

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



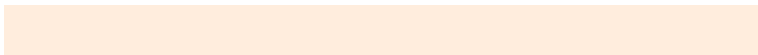
81.3699, 93.5709, 80.1020



80.9647, 93.5709, 125.8667



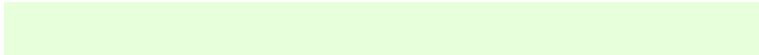
96.9579, 93.5709, 127.2922



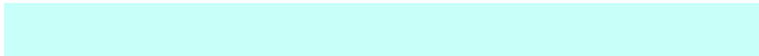
97.4148, 93.5709, 81.1573

Rectangle

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



81.3699, 93.5709, 80.1020



78.1015, 93.5709, 103.8530



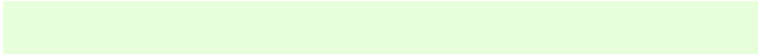
96.9579, 93.5709, 127.2922



100.7295, 93.5709, 99.9377

Sweetspot

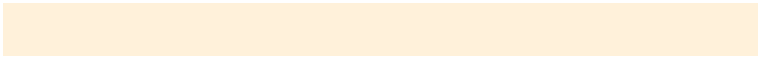
The Sweet Spot groups the original color and five complimentary colors.



81.3706, 93.5712, 80.1034



91.0585, 98.1270, 100.3673



85.4791, 89.4900, 79.0991



19.3337, 20.9297, 21.1502



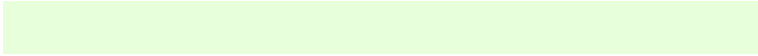
0.0000, 0.0000, 0.0000



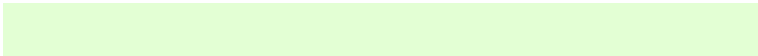
20.3446, 21.4041, 23.3091

Same Dimension

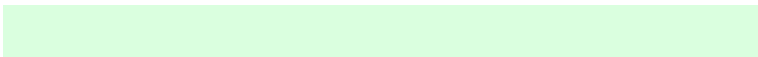
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3706, 93.5712, 80.1034



79.2406, 92.5674, 75.7470



77.9846, 91.7499, 83.3654



18.3736, 20.4785, 19.1287



21.0135, 38.5710, 6.3374



2.1591, 3.8138, 0.6223

Inverse Universe

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



79.7401, 76.2412, 105.1210



77.3629, 72.6170, 104.5468



83.5777, 78.3102, 101.2079



18.1370, 17.9624, 22.7611



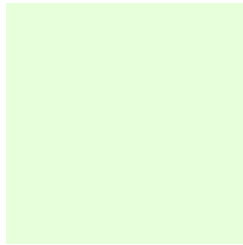
17.7516, 8.0617, 50.0550



1.8468, 0.8460, 4.8792

Previews

White Background



This preview shows how the XYZ color 81.3699, 93.5709, 80.1020 looks on a white background.

Color Contrast Check

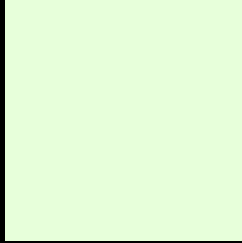
Large Text (above 18pt) WCAG AA × Fail

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 81.3699, 93.5709, 80.1020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

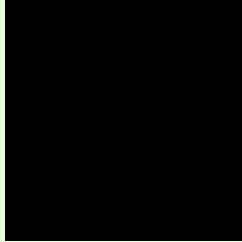
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

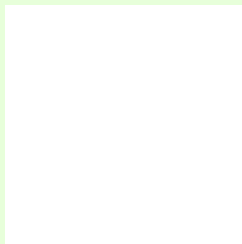
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3699, 93.5709, 80.1020

Background



This preview shows how black text looks on a background with the XYZ color 81.3699, 93.5709, 80.1020.

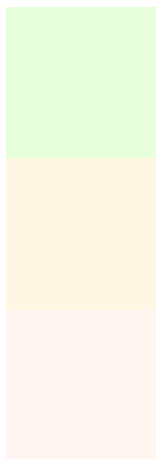


This preview shows how white text looks on a background with the XYZ color 81.3699, 93.5709,

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

81.3699, 93.5709, 80.1020

Protanopia

88.3659, 93.3276, 86.0297

Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

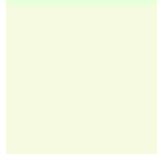
88.9256, 93.5879, 107.9851

Trichromacy



Original Color

81.3699, 93.5709, 80.1020



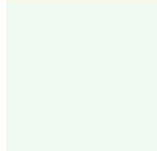
Protanomaly

85.6462, 93.3459, 84.0245



Deuteranomaly

86.5897, 93.2274, 90.5217



Tritanomaly

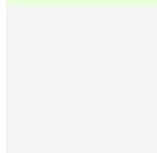
86.1208, 93.7559, 97.5620

Monochromacy



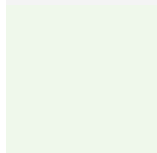
Original Color

81.3699, 93.5709, 80.1020



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.1594, 91.4837, 91.8197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3699, 93.5709, 80.1020 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(231, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 218)  
}
```

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(231, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 81.3699, 93.5709, 80.1020 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(231, 255, 218) }
```


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

```
.border{ border-color:rgb(231, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3699, 93.5709, 80.1020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 218) }
```

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

```
.background{ background-color: rgb(231,  
255, 218) }
```

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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