

Converting Colors

XYZ(81.1623, 93.7117, 68.8928)

Have a look what the booklet for
XYZ(81.1623, 93.7117, 68.8928)
contains.

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Color

**XYZ(81.2277, 93.7416,
69.0711)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFC9
RGB	237, 255, 201
RGB Percent	93%, 100%, 79%
CMY	0.0706, 0.0000, 0.2118
CMYK	0.07, 0.00, 0.21, 0.00
HSL	80°, 100%, 89%
HSV	80°, 21%, 100%
XYZ	81.2277, 93.7416, 69.0711
YIQ	243.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

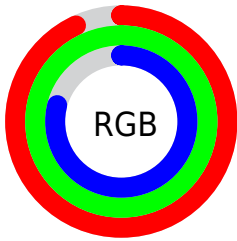
Format	Color
R_{YB}	201, 255, 219
Decimal	15597513
CIE _{Lab}	97.53, -14.86, 23.89
CIE _{LCh}	98, 28.133, 121.875
Yxy	93.7416, 0.3328, 0.3841
Android (android.graphics.Color)	4293787593 (0xFFEDFFC9)
YUV	243.4620, -20.9338, -5.6672
Hunter-Lab	96.8202, -19.6822, 25.4770

Details

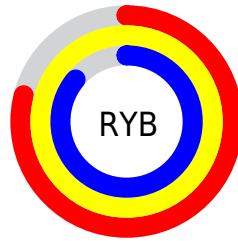
The XYZ color **81.2277, 93.7416, 69.0711** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.1509, 64.0546, 103.3796**, and the grayscale version is **85.7168, 90.1807, 98.2068**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5166, 52.3185, 35.3560** is the 20% darker color. If you saturate the color by 10%, you get **75.7014, 91.2110, 54.4321**, and if you desaturate by 10%, it is **87.3877, 96.5413, 86.3418**.

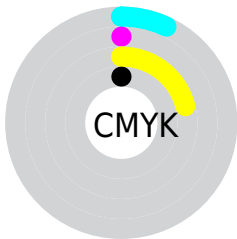
Distribution



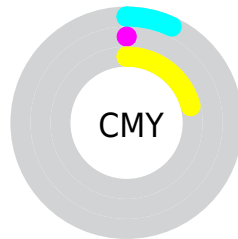
- Red (93%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.2277, 93.7416, 69.0711 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 81.2277, 93.7416, 69.0711 by changing the saturation by 10% instead.


 81.2277, 93.7416,
69.0711

 81.2277, 93.7416,
69.0711


487.7344,
540.1285, 475.9824

 61.0411, 71.0881,
50.2975


134.0319,
152.5249, 119.5518

 44.5110, 52.4141,
35.2770


167.3802,
189.4235, 152.0959

 31.2721, 37.3352,
23.5911


205.8465,
231.8392, 190.0674

 20.9589, 25.4671,
14.8212

249.7961,
280.1564, 233.8846

 13.2063, 16.4254,
8.5487

299.5943,
334.7596, 283.9662

 7.6487, 9.8257,
4.3553

355.6065,

 3.9209, 5.2835,

396.0330, 340.7307

1.8222

418.1981,
464.3612, 404.5966

■ 1.6575, 2.4146,
0.4425

■ 0.4294, 0.8334,
0.0000

■ 81.2277, 93.7416,
69.0711

■ 81.2277, 93.7416,
69.0711

■ 75.7014, 91.2110,
54.4321

■ 87.3877, 96.5413,
86.3418

■ 70.7807, 88.9379,
42.2913

■ 94.2043, 99.6194,
106.3606

■ 66.4377, 86.9110,
32.5096

■ 95.0500, 100.0000,
108.9000

■ 62.6412, 85.1176,
24.9327

■ 59.3563, 83.5435,
19.3881

■ 56.5436, 82.1727,
15.6773

■ 54.1556, 80.9860,
13.5623

■ 52.3377, 80.0661,
12.6958

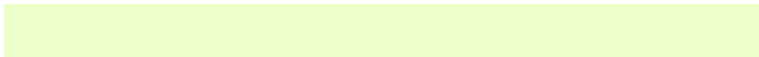
Harmonies

Analogous

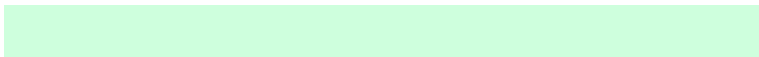
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5968, 93.7416, 64.0983



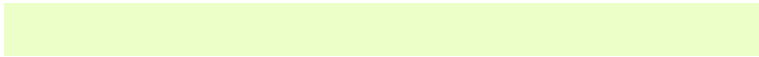
81.2277, 93.7416, 69.0711



76.2216, 93.7416, 82.6961

Triad

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



81.2277, 93.7416, 69.0711



82.0491, 93.7416, 146.0095



105.3568, 93.7416, 100.6358

Complementary

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



81.2277, 93.7416, 69.0711



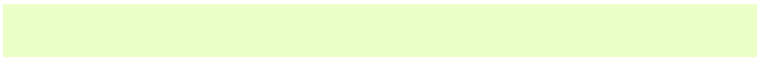
68.1509, 64.0546, 103.3796

Split Complementary

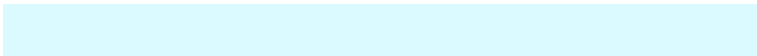
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3498, 93.7416, 124.2525



81.2277, 93.7416, 69.0711



89.6022, 93.7416, 152.6763

Square

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



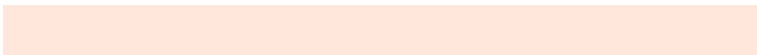
81.2277, 93.7416, 69.0711



76.6756, 93.7416, 127.1171



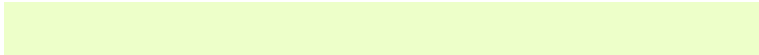
97.4622, 93.7416, 144.1894



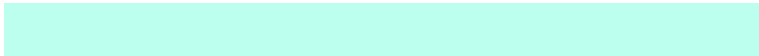
102.7958, 93.7416, 80.5479

Rectangle

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



81.2277, 93.7416, 69.0711



74.7352, 93.7416, 95.9738



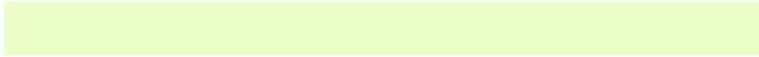
97.4622, 93.7416, 144.1894



105.1936, 93.7416, 108.4163

Sweetspot

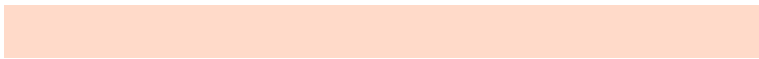
The Sweet Spot groups the original color and five complimentary colors.



81.2282, 93.7418, 69.0725



90.8322, 98.0990, 96.3522



76.8806, 75.6726, 65.8139



19.3467, 20.9543, 20.3441



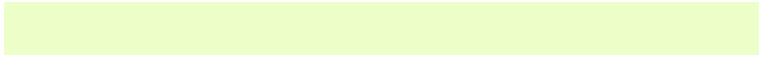
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

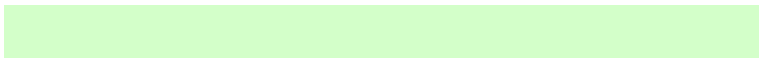
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2282, 93.7418, 69.0725



79.0412, 92.7428, 63.1698



73.1387, 89.5715, 68.6939



18.9384, 20.7697, 19.1551



27.5125, 41.9213, 6.6416



2.7948, 4.1415, 0.6521

Inverse Universe

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



68.1509, 64.0546, 103.3796



64.0311, 58.6622, 102.5559



76.6284, 68.4248, 103.7763



17.5734, 17.6718, 22.7347



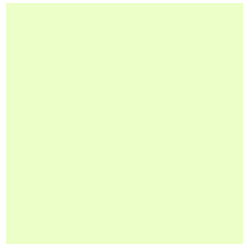
11.5296, 4.8542, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 81.2277, 93.7416, 69.0711 looks on a white background.

Color Contrast Check

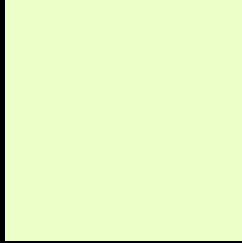
Large Text (above 18pt) WCAG AA × Fail

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 81.2277, 93.7416, 69.0711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

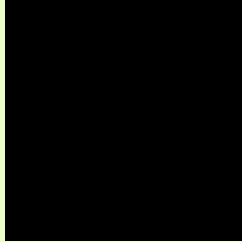
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

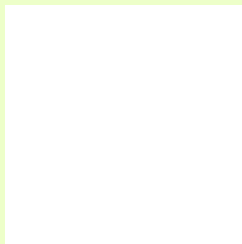
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2277, 93.7416, 69.0711

Background



This preview shows how black text looks on a background with the XYZ color 81.2277, 93.7416, 69.0711.



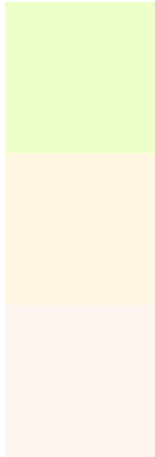
This preview shows how white text looks on a background with the XYZ color 81.2277, 93.7416,

69.0711.

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

81.2277, 93.7416, 69.0711

Protanopia

88.2282, 93.2725, 85.3048

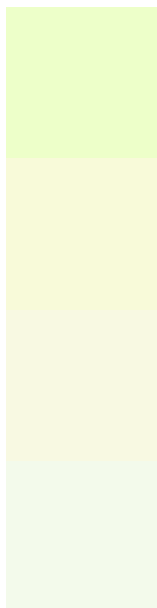
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

89.6685, 93.5157, 107.9320

Trichromacy



Original Color

81.2277, 93.7416, 69.0711

Protanomaly

85.4214, 93.3374, 79.1594

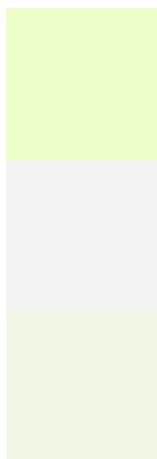
Deuteranomaly

86.3145, 93.1988, 85.3914

Tritanomaly

86.1432, 93.4241, 92.0897

Monochromacy



Original Color

81.2277, 93.7416, 69.0711

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.5400, 90.8237, 86.5265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2277, 93.7416, 69.0711 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(237, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 201)  
}
```

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(237, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 81.2277, 93.7416, 69.0711 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(237, 255, 201) }
```


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

```
.border{ border-color:rgb(237, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2277, 93.7416, 69.0711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 201) }
```

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

```
.background{ background-color: rgb(237,  
255, 201) }
```

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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