

Converting Colors

XYZ(81.6410, 93.9681, 68.4842)

Have a look what the booklet for
XYZ(81.6410, 93.9681, 68.4842)
contains.

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Color

**XYZ(81.7819, 94.0409,
68.4849)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFC8
RGB	239, 255, 200
RGB Percent	94%, 100%, 78%
CMY	0.0627, 0.0000, 0.2157
CMYK	0.06, 0.00, 0.22, 0.00
HSL	77°, 100%, 89%
HSV	77°, 22%, 100%
XYZ	81.7819, 94.0409, 68.4849
YIQ	243.9460, 8.1190, -20.4970

Conversions

Conversions Part 2

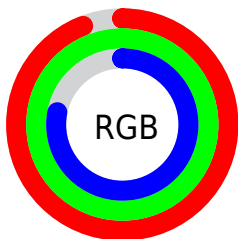
Format	Color
R_{YB}	200, 255, 216
Decimal	15728584
CIE _{Lab}	97.65, -14.30, 24.59
CIE _{LCh}	98, 28.442, 120.182
Yxy	94.0409, 0.3347, 0.3849
Android (android.graphics.Color)	4293918664 (0xFFE _{FF} FC8)
YUV	243.9460, -21.6654, -4.3376
Hunter-Lab	96.9747, -19.1709, 26.0108

Details

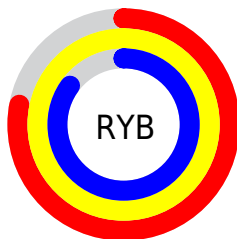
The XYZ color **81.7819, 94.0409, 68.4849** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.0242, 63.1287, 103.2603**, and the grayscale version is **86.1084, 90.5927, 98.6555**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9108, 52.5308, 34.9665** is the 20% darker color. If you saturate the color by 10%, you get **76.5923, 91.6816, 53.9610**, and if you desaturate by 10%, it is **87.5723, 96.6523, 85.6341**.

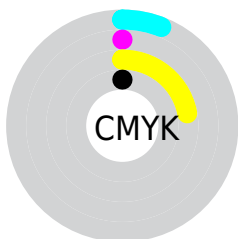
Distribution



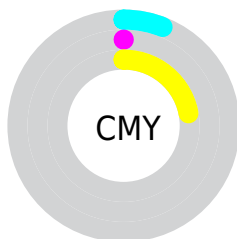
- Red (94%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7819, 94.0409, 68.4849 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 81.7819, 94.0409, 68.4849 by changing the saturation by 10% instead.


 81.7819, 94.0409,
68.4849

 81.7819, 94.0409,
68.4849


489.5634,
541.0899, 473.8568

 61.4993, 71.3370,
49.8232


134.8055,
152.9389, 118.7063

 44.8823, 52.6172,
34.9027


168.2772,
189.9018, 151.1031

 31.5656, 37.4973,
23.3050


206.8760,
232.3864, 188.9153

 21.1839, 25.5928,
14.6115

250.9672,
280.7772, 232.5615

 13.3717, 16.5192,
8.4036

300.9162,
335.4586, 282.4602

 7.7637, 9.8923,
4.2628

357.0883,

 3.9947, 5.3276,

396.8149, 339.0299

1.7706

419.8490,
465.2305, 402.6893

■ 1.6991, 2.4407,
0.4085

■ 0.4557, 0.8467,
0.0000

■ 81.7819, 94.0409,
68.4849

■ 81.7819, 94.0409,
68.4849

■ 76.5923, 91.6816,
53.9610

■ 87.5723, 96.6523,
85.6341

■ 71.9764, 89.5635,
41.9286

■ 93.9863, 99.5253,
105.5253

■ 67.9065, 87.6755,
32.2481

■ 95.0500, 100.0000,
108.9000

■ 64.3520, 86.0050,
24.7647

■ 61.2788, 84.5384,
19.3049

■ 58.6476, 83.2597,
15.6692

■ 56.4115, 82.1500,
13.6175

■ 54.7734, 81.3218,
12.8098

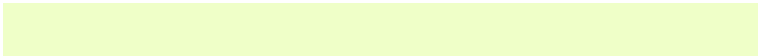
Harmonies

Analogous

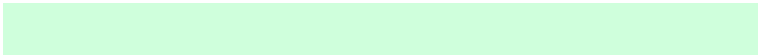
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3335, 94.0409, 63.9652



81.7819, 94.0409, 68.4849



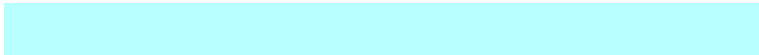
76.5442, 94.0409, 81.7851

Triad

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



81.7819, 94.0409, 68.4849



81.8629, 94.0409, 146.1566



105.8734, 94.0409, 102.2526

Complementary

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



81.7819, 94.0409, 68.4849



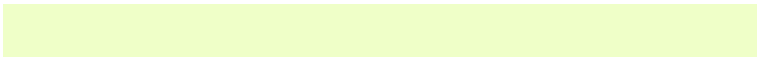
67.0242, 63.1287, 103.2603

Split Complementary

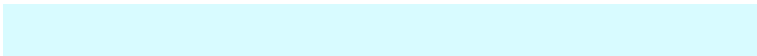
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.5828, 94.0409, 126.2044



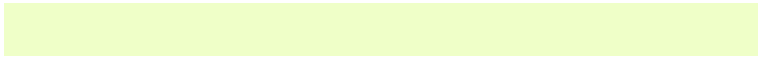
81.7819, 94.0409, 68.4849



89.4326, 94.0409, 153.7681

Square

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



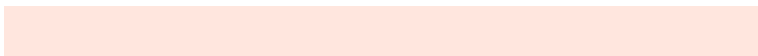
81.7819, 94.0409, 68.4849



76.5889, 94.0409, 126.4874



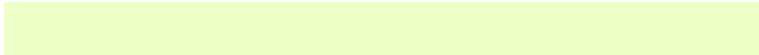
97.4412, 94.0409, 145.9767



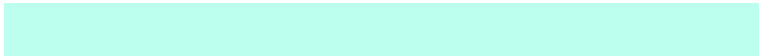
103.5281, 94.0409, 81.5735

Rectangle

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



81.7819, 94.0409, 68.4849



74.9030, 94.0409, 94.9783



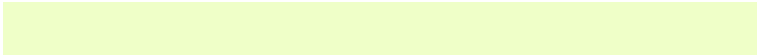
97.4412, 94.0409, 145.9767



105.6185, 94.0409, 110.1871

Sweetspot

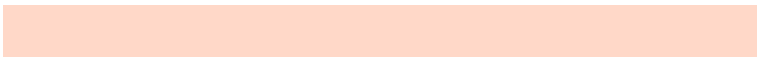
The Sweet Spot groups the original color and five complimentary colors.



81.7824, 94.0411, 68.4863



91.0650, 98.2190, 96.3631



76.1152, 74.3295, 64.9802



19.4018, 20.9827, 20.3467



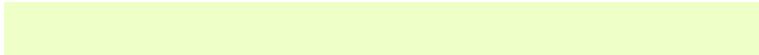
0.0000, 0.0000, 0.0000



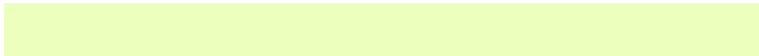
20.3446, 21.4041, 23.3091

Same Dimension

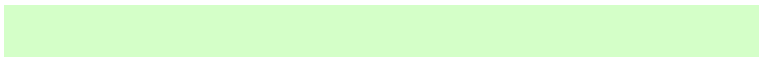
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7824, 94.0411, 68.4863



79.4095, 92.9648, 61.7322



73.3134, 89.6752, 68.0899



19.0162, 20.8098, 19.1588



28.7760, 42.5727, 6.7007



2.9105, 4.2012, 0.6575

Inverse Universe

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



67.0242, 63.1287, 103.2603



62.1920, 56.8943, 102.3116



75.6959, 67.5992, 103.6661



17.4994, 17.6337, 22.7313



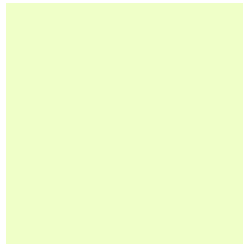
11.0422, 4.6029, 49.7411



1.1781, 0.5012, 4.8479

Previews

White Background



This preview shows how the XYZ color 81.7819, 94.0409, 68.4849 looks on a white background.

Color Contrast Check

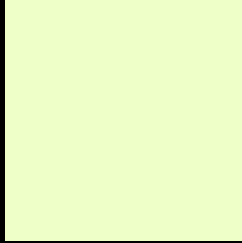
Large Text (above 18pt) WCAG AA × Fail

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 81.7819, 94.0409, 68.4849 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

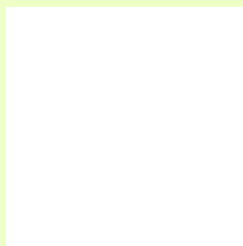
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7819, 94.0409, 68.4849

Background



This preview shows how black text looks on a background with the XYZ color 81.7819, 94.0409, 68.4849.

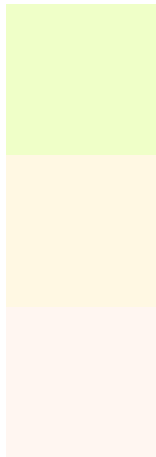


This preview shows how white text looks on a background with the XYZ color 81.7819, 94.0409,

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

81.7819, 94.0409, 68.4849

Protanopia

88.6725, 93.9409, 86.1319

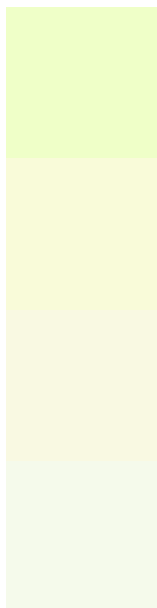
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

90.0222, 93.6980, 107.9486

Trichromacy



Original Color

81.7819, 94.0409, 68.4849

Protanomaly

86.0885, 94.1439, 79.2799

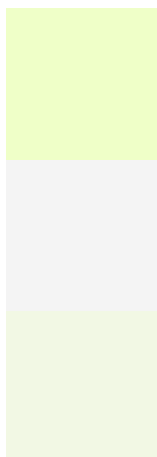
Deuteranomaly

86.6701, 93.3821, 85.4080

Tritanomaly

86.8372, 93.7819, 92.1222

Monochromacy



Original Color

81.7819, 94.0409, 68.4849

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.1889, 91.6135, 86.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7819, 94.0409, 68.4849 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(239, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 200)  
}
```

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(239, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 81.7819, 94.0409, 68.4849 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(239, 255, 200) }
```


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

```
.border{ border-color:rgb(239, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7819, 94.0409, 68.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 200) }
```

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

```
.background{ background-color: rgb(239,  
255, 200) }
```

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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