

Converting Colors

XYZ(80.8409, 90.6717, 66.9049)

Have a look what the booklet for
XYZ(80.8409, 90.6717, 66.9049)
contains.

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Color

**XYZ(81.0309, 90.8833,
66.6975)**

Conversions

Conversions Part 1

Format	Color
Hex	F3F9C6
RGB	243, 249, 198
RGB Percent	95%, 98%, 78%
CMY	0.0471, 0.0235, 0.2235
CMYK	0.02, 0.00, 0.20, 0.02
HSL	67°, 81%, 88%
HSV	67°, 20%, 98%
XYZ	81.0309, 90.8833, 66.6975
YIQ	241.3920, 12.7950, -17.1330

Conversions

Conversions Part 2

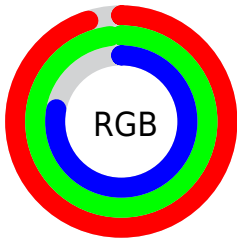
Format	Color
R _Y B	198, 249, 204
Decimal	15989190
CIE Lab	96.36, -10.21, 23.87
CIE LCh	96, 25.965, 113.165
Yxy	90.8833, 0.3396, 0.3809
Android (android.graphics.Color)	4294179270 (0xFFFF3F9C6)
YUV	241.3920, -21.3923, 1.4102
Hunter-Lab	95.3327, -15.1109, 25.2519

Details

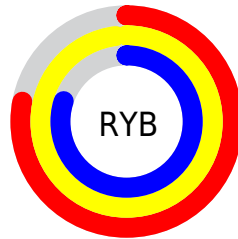
The XYZ color **81.0309, 90.8833, 66.6975** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.1983, 60.0675, 97.9436**, and the grayscale version is **84.0763, 88.4548, 96.3273**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3537, 50.5926, 33.8132** is the 20% darker color. If you saturate the color by 10%, you get **77.3888, 89.3136, 52.7471**, and if you desaturate by 10%, it is **85.1662, 92.6583, 83.1394**.

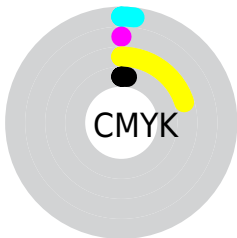
Distribution



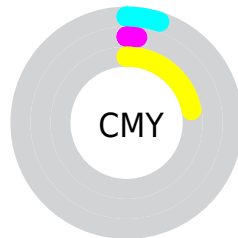
- Red (95%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)





- Cyan (5%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.0309, 90.8833, 66.6975 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 81.0309, 90.8833, 66.6975 by changing the saturation by 10% instead.


 81.0309, 90.8833,
66.6975

 81.0309, 90.8833,
66.6975


487.0841,
530.9000, 467.3394

 60.8784, 68.7135,
48.3788


133.7571,
148.5647, 116.1234

 44.3792, 50.4784,
33.7648


167.0615,
184.8451, 148.0676

 31.1679, 35.7937,
22.4371


205.4806,
226.5979, 185.3908

 20.8792, 24.2749,
13.9770

249.3798,
274.2073, 228.5114

 13.1477, 15.5377,
7.9661

299.1244,
328.0578, 277.8481

 7.6080, 9.1976,
3.9858

355.0797,

 3.8949, 4.8703,

388.5339, 333.8192

1.6176

417.6111,
456.0198, 396.8435

■ 1.6428, 2.1714,
0.3033

■ 0.4201, 0.7043,
0.0000

■ 81.0309, 90.8833,
66.6975

■ 81.0309, 90.8833,
66.6975

■ 77.3888, 89.3136,
52.7471

■ 85.1662, 92.6583,
83.1394

■ 74.2096, 87.9278,
41.1609

■ 89.8090, 94.6352,
102.1800

■ 71.4706, 86.7199,
31.8093

■ 91.9988, 95.6327,
108.2178

■ 69.1443, 85.6790,
24.5479

■ 93.0677, 96.1837,
108.2679

■ 67.2001, 84.7927,
19.2152

■ 93.1676, 96.2352,
108.2725

■ 65.6026, 84.0470,
15.6266

■ 64.3100, 83.4250,
13.5609

■ 63.2982, 82.9221,
12.6694

Harmonies

Analogous

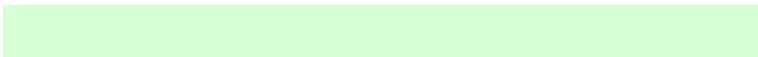
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0459, 90.8833, 64.4739



81.0309, 90.8833, 66.6975



75.7324, 90.8833, 76.9676

Triad

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



81.0309, 90.8833, 66.6975



78.3175, 90.8833, 134.3411



100.9238, 90.8833, 103.7677

Complementary

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



81.0309, 90.8833, 66.6975



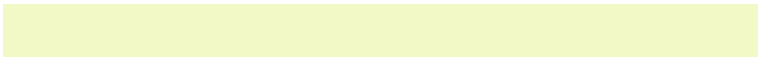
62.1983, 60.0675, 97.9436

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.



97.9856, 90.8833, 124.7789



81.0309, 90.8833, 66.6975



84.7389, 90.8833, 143.9540

Square

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



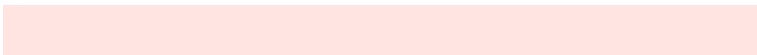
81.0309, 90.8833, 66.6975



74.2279, 90.8833, 115.4488



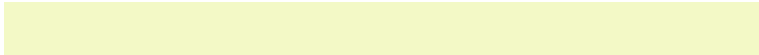
91.9633, 90.8833, 140.2309



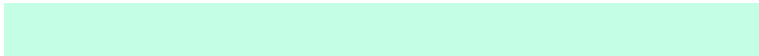
99.7950, 90.8833, 84.1147

Rectangle

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



81.0309, 90.8833, 66.6975



73.7546, 90.8833, 87.8743



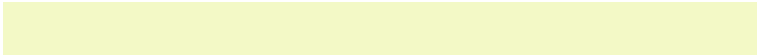
91.9633, 90.8833, 140.2309



100.3739, 90.8833, 110.9332

Sweetspot

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



81.0333, 90.8873, 66.6994



92.0240, 98.7134, 96.4080



70.8440, 67.3814, 62.6994



19.6290, 21.0998, 20.3573



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

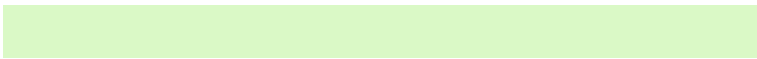
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0333, 90.8873, 66.6994



83.7237, 95.1567, 63.3889



72.8510, 86.6692, 66.3165



18.5144, 20.0809, 18.3626



33.9602, 44.4254, 6.7851



3.2004, 4.1430, 0.6310

Inverse Universe

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



62.1983, 60.0675, 97.9436



60.2239, 56.6995, 102.3777



69.7528, 63.9620, 98.2971



16.4728, 16.7409, 21.7484



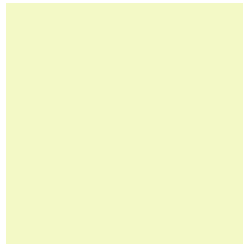
9.4885, 3.8342, 48.2135



0.9379, 0.3856, 4.4682

Previews

White Background



This preview shows how the XYZ color 81.0309, 90.8833, 66.6975 looks on a white background.

Color Contrast Check

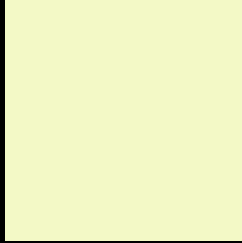
Large Text (above 18pt) WCAG AA × Fail

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 81.0309, 90.8833, 66.6975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

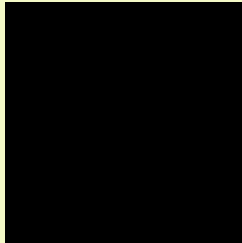
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

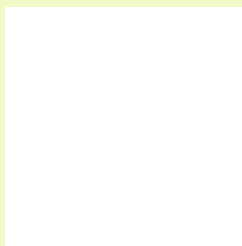
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0309, 90.8833, 66.6975

Background



This preview shows how black text looks on a background with the XYZ color 81.0309, 90.8833, 66.6975.

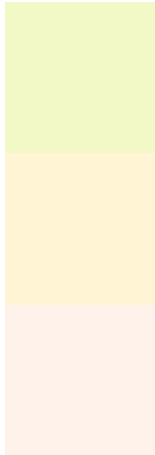


This preview shows how white text looks on a background with the XYZ color 81.0309, 90.8833, 66.6975.

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

81.0309, 90.8833, 66.6975

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

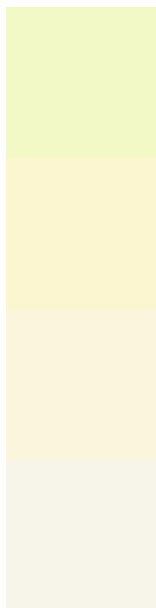
87.8434, 90.7048, 90.7198



Tritanopia

88.8691, 90.8640, 107.4623

Trichromacy



Original Color

81.0309, 90.8833, 66.6975

Protanomaly

84.0019, 90.9258, 72.1545

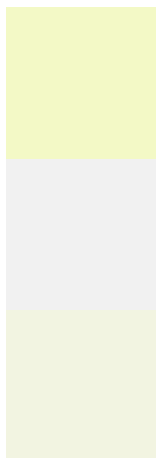
Deuteranomaly

85.4872, 91.0345, 81.4724

Tritanomaly

85.8615, 91.0195, 90.8850

Monochromacy



Original Color

81.0309, 90.8833, 66.6975

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.5592, 89.0149, 84.0644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0309, 90.8833, 66.6975 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(243, 249, 198)` looks like.

```
.text, #text, p{  
    color:rgb(243, 249, 198)  
}
```

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(243, 249, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 249, 198) }
```

Border

The CSS property to change the border of an element to XYZ 81.0309, 90.8833, 66.6975 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(243, 249, 198) }
```


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

```
.border{ border-color:rgb(243, 249, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 249, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 249, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 249, 198);  
box-shadow:4px 4px 4px 4px rgb(243, 249,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0309, 90.8833, 66.6975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 249, 198) }
```

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

```
.background{ background-color: rgb(243,  
249, 198) }
```

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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