

Converting Colors

XYZ(80.9363, 86.7356, 67.0704)

Have a look what the booklet for
XYZ(80.9363, 86.7356, 67.0704)
contains.

XYZ(81.0098, 86.8143, 67.1307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.0098, 86.8143,
67.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF0C8
RGB	250, 240, 200
RGB Percent	98%, 94%, 78%
CMY	0.0196, 0.0588, 0.2157
CMYK	0.00, 0.04, 0.20, 0.02
HSL	48°, 83%, 88%
HSV	48°, 20%, 98%
XYZ	81.0098, 86.8143, 67.1307
YIQ	238.4300, 18.8000, -10.3200

Conversions

Conversions Part 2

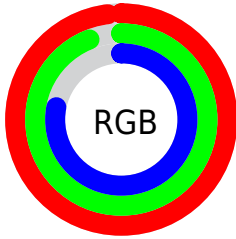
Format	Color
R _Y B	213, 250, 200
Decimal	16445640
CIE Lab	94.66, -2.92, 20.57
CIE LCh	95, 20.775, 98.071
Yxy	86.8143, 0.3448, 0.3695
Android (android.graphics.Color)	4294635720 (0xFFFAF0C8)
YUV	238.4300, -18.9460, 10.1469
Hunter-Lab	93.1742, -7.8590, 22.5043

Details

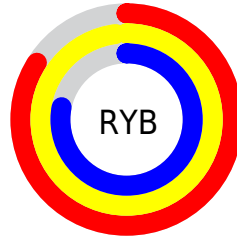
The XYZ color **81.0098, 86.8143, 67.1307** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.1211, 65.2733, 99.6626**, and the grayscale version is **81.7353, 85.9919, 93.6452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3211, 47.6938, 34.0640** is the 20% darker color. If you saturate the color by 10%, you get **76.8735, 82.8410, 52.4966**, and if you desaturate by 10%, it is **85.6690, 91.0675, 84.2981**.

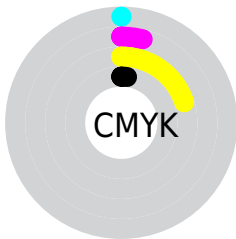
Distribution



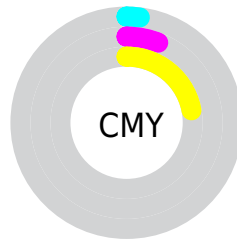
- Red (98%)
- Green (94%)
- Blue (78%)



- Red (84%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (6%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0098, 86.8143, 67.1307 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 81.0098, 86.8143, 67.1307 by changing the saturation by 10% instead.

81.0098, 86.8143,
67.1307

81.0098, 86.8143,
67.1307

487.0143,
517.6125, 468.9240

60.8610, 65.3415,
48.7286

133.7276,
142.9053, 116.7501

44.3651, 47.7381,
34.0401

167.0273,
178.2923, 148.8045

31.1568, 33.6195,
22.6468

205.4414,
219.0862, 186.2467

20.8707, 22.6015,
14.1301

249.3351,
265.6713, 229.4952

13.1414, 14.2995,
8.0714

299.0740,
318.4321, 278.9687

7.6037, 8.3293,
4.0523

355.0232,

3.8921, 4.3064,

377.7530, 335.0856

1.6541

417.5482,
444.0183, 398.2646

■ 1.6413, 1.8464,
0.3290

■ 0.4191, 0.5158,
0.0000

■ 81.0098, 86.8143,
67.1307

■ 81.0098, 86.8143,
67.1307

■ 76.8735, 82.8410,
52.4966

■ 85.6690, 91.0675,
84.2981

■ 73.2297, 79.1261,
40.2681

■ 90.8662, 95.5983,
104.1073

■ 70.0554, 75.6628,
30.3147

■ 93.2342, 99.0632,
108.8149

■ 67.3225, 72.4393,
22.4909

■ 93.2346, 99.0641,
108.8150

■ 64.9999, 69.4427,
16.6348

■ 63.0523, 66.6582,
12.5609

■ 61.4372, 64.0685,
10.0481

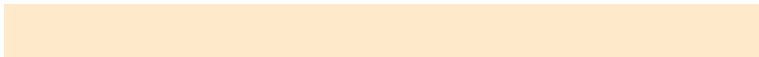
■ 60.0851, 61.6450,
8.7319

■ 60.0850, 61.6449,
8.7318

Harmonies

Analogous

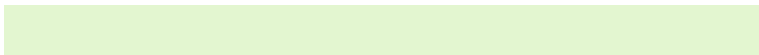
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6068, 86.8143, 68.6773



81.0098, 86.8143, 67.1307



76.0427, 86.8143, 72.2411

Triad

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



81.0098, 86.8143, 67.1307



74.3140, 86.8143, 114.8743



92.9259, 86.8143, 106.5332

Complementary

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



81.0098, 86.8143, 67.1307



64.1211, 65.2733, 99.6626

Split Complementary

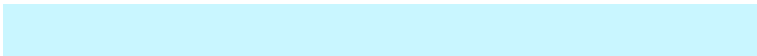
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3432, 86.8143, 120.9787



81.0098, 86.8143, 67.1307



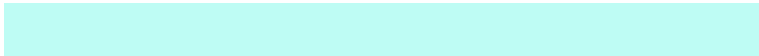
78.5529, 86.8143, 126.1616

Square

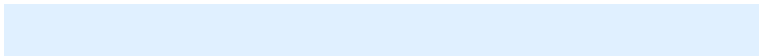
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0098, 86.8143, 67.1307



72.2929, 86.8143, 98.9281



84.0375, 86.8143, 128.5136



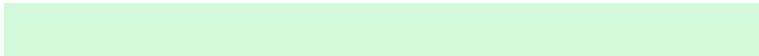
93.6566, 86.8143, 90.2565

Rectangle

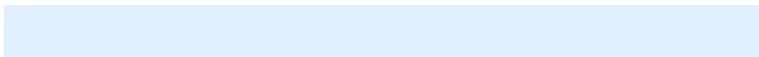
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0098, 86.8143, 67.1307



73.6977, 86.8143, 79.1177



84.0375, 86.8143, 128.5136



92.0076, 86.8143, 111.8153

Sweetspot

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



81.0121, 86.8182, 67.1325



91.7157, 97.1176, 96.1162



71.7124, 66.2868, 69.9889



19.5559, 20.7214, 20.2882



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

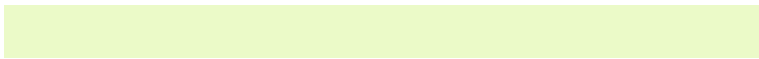
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0121, 86.8182, 67.1325



82.9358, 89.1074, 63.7495



78.8727, 90.2043, 67.8989



18.4154, 19.5666, 18.2685



31.9752, 32.9071, 4.6664



3.0337, 3.1923, 0.4563

Inverse Universe

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



64.1211, 65.2733, 99.6626



62.3263, 62.8217, 103.4486



65.9350, 62.6589, 99.0624



16.5640, 17.2047, 21.8331



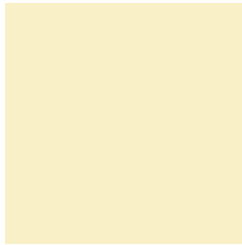
9.8370, 5.0295, 48.4259



0.9820, 0.6077, 4.5087

Previews

White Background



This preview shows how the XYZ color 81.0098, 86.8143, 67.1307 looks on a white background.

Color Contrast Check

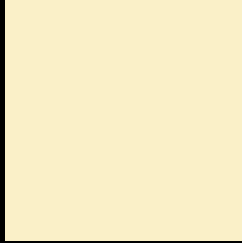
Large Text (above 18pt) WCAG AA × Fail

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 81.0098, 86.8143, 67.1307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

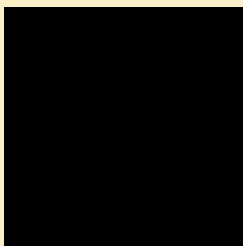
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

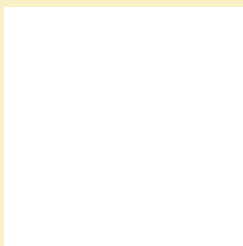
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0098, 86.8143, 67.1307

Background



This preview shows how black text looks on a background with the XYZ color 81.0098, 86.8143, 67.1307.

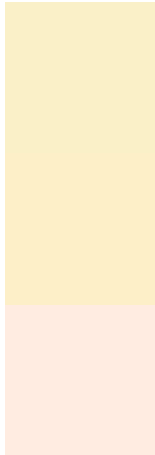


This preview shows how white text looks on a background with the XYZ color 81.0098, 86.8143,

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

81.0098, 86.8143, 67.1307

Protanopia

81.7998, 86.7858, 67.0836

Deuteranopia

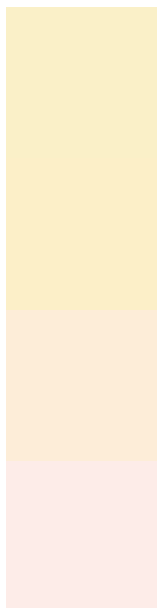
84.8261, 86.6871, 83.4956



Tritanopia

87.9181, 87.0078, 102.6029

Trichromacy



Original Color

81.0098, 86.8143, 67.1307

Protanomaly

81.4367, 86.5986, 67.0666

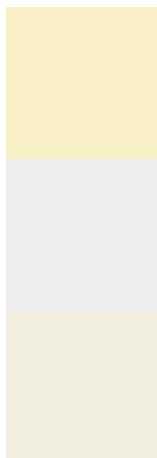
Deuteranomaly

83.1869, 86.4089, 77.2599

Tritanomaly

85.0690, 86.6997, 88.5950

Monochromacy



Original Color

81.0098, 86.8143, 67.1307

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.9390, 85.9921, 82.8532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0098, 86.8143, 67.1307 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(250, 240, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 240, 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(250, 240, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 240, 200) }
```

Border

The CSS property to change the border of an element to XYZ 81.0098, 86.8143, 67.1307 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(250, 240, 200) }
```


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

```
.border{ border-color:rgb(250, 240, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 240, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 240, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 240, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 240,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0098, 86.8143, 67.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 240, 200) }
```

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

```
.background{ background-color: rgb(250,  
240, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor