

Converting Colors

XYZ(89.2779, 100.0000,
81.7128)

Have a look what the booklet for
XYZ(89.2779, 100.0000, 81.7128)
contains.

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Color

**XYZ(87.6131, 96.7742,
81.0794)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFDB
RGB	249, 255, 219
RGB Percent	98%, 100%, 86%
CMY	0.0235, 0.0000, 0.1412
CMYK	0.02, 0.00, 0.14, 0.00
HSL	70°, 100%, 93%
HSV	70°, 14%, 100%
XYZ	87.6131, 96.7742, 81.0794
YIQ	249.1020, 7.9800, -12.4680

Conversions

Conversions Part 2

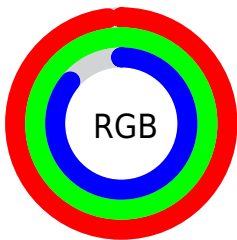
Format	Color
R_{YB}	219, 255, 225
Decimal	16383963
CIE Lab	98.74, -7.96, 16.55
CIE LCh	99, 18.360, 115.678
Yxy	96.7742, 0.3300, 0.3645
Android (android.graphics.Color)	4294574043 (0xFFF9FFDB)
YUV	249.1020, -14.8403, -0.0895
Hunter-Lab	98.3739, -13.1798, 19.9951

Details

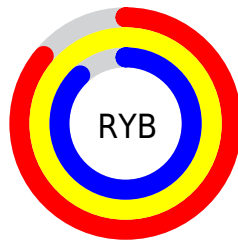
The XYZ color **87.6131, 96.7742, 81.0794** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.4337, 73.8918, 104.9472**, and the grayscale version is **90.2392, 94.9387, 103.3882**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6332, 54.2750, 43.0348** is the 20% darker color. If you saturate the color by 10%, you get **83.0113, 94.7605, 64.6616**, and if you desaturate by 10%, it is **92.7648, 99.0119, 100.2101**.

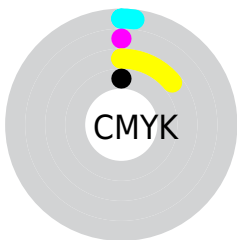
Distribution



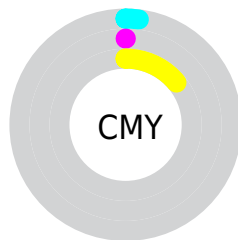
- Red (98%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6131, 96.7742, 81.0794 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 87.6131, 96.7742, 81.0794 by changing the saturation by 10% instead.

87.6131, 96.7742,
81.0794

87.6131, 96.7742,
81.0794

508.5898,
549.8294, 518.3655

66.3324, 73.6125,
60.0756

142.9137,
156.7135, 136.7073

48.8110, 54.4770,
43.0539

177.6643,
194.2598, 172.1685

34.6835, 38.9831,
29.5957

217.6356,
237.3699, 213.2860

23.5845, 26.7466,
19.2825

263.1929,
286.4281, 260.4782

15.1488, 17.3830,
11.6957

314.7016,
341.8187, 314.1637

9.0109, 10.5079,
6.4168

372.5271,

4.8054, 5.7370,

403.9262, 374.7611

3.0273

437.0347,
473.1350, 442.6888

■ 2.1671, 2.6858,
1.1086

■ 0.7253, 0.9700,
0.0000

■ 87.6131, 96.7742,
81.0794

■ 87.6131, 96.7742,
81.0794

■ 83.0113, 94.7605,
64.6616

■ 92.7648, 99.0119,
100.2101

■ 78.9339, 92.9605,
50.8297

95.0500, 100.0000,
108.9000

■ 75.3562, 91.3642,
39.4526

■ 72.2507, 89.9607,
30.3864

■ 69.5868, 88.7377,
23.4719

■ 67.3303, 87.6815,
18.5301

■ 65.4416, 86.7762,
15.3529

■ 63.8720, 86.0023,
13.6857

■ 63.0571, 85.5922,
13.1975

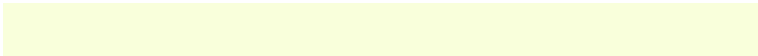
Harmonies

Analogous

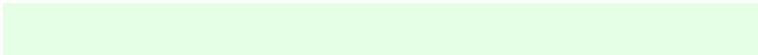
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7552, 96.7742, 78.7395



87.6131, 96.7742, 81.0794



83.7773, 96.7742, 89.6788

Triad

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



87.6131, 96.7742, 81.0794



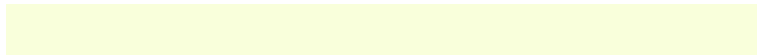
86.3249, 96.7742, 131.5055



102.5788, 96.7742, 107.5973

Complementary

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



87.6131, 96.7742, 81.0794



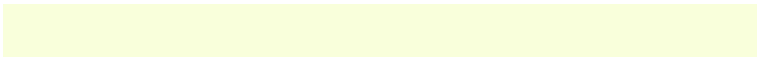
74.4337, 73.8918, 104.9472

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.



100.7035, 96.7742, 122.7939



87.6131, 96.7742, 81.0794



91.2111, 96.7742, 137.4168

Square

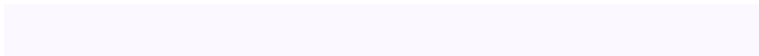
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



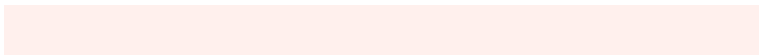
87.6131, 96.7742, 81.0794



83.0539, 96.7742, 118.6014



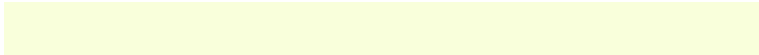
96.4917, 96.7742, 134.0853



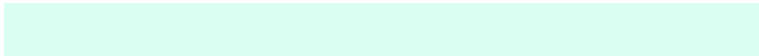
101.5259, 96.7742, 93.1624

Rectangle

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



87.6131, 96.7742, 81.0794



82.4079, 96.7742, 98.2784



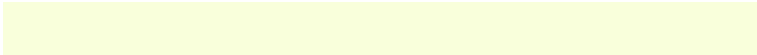
96.4917, 96.7742, 134.0853



102.2681, 96.7742, 112.7962

Sweetspot

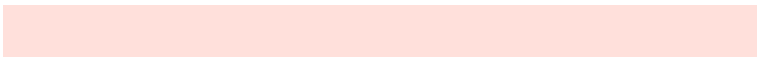
The Sweet Spot groups the original color and five complimentary colors.



87.6137, 96.7745, 81.0808



92.8283, 99.0394, 100.4501



80.7902, 79.9021, 78.1838



19.7818, 21.1607, 21.1712



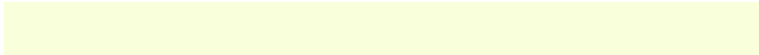
0.0000, 0.0000, 0.0000



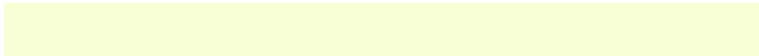
20.3446, 21.4041, 23.3091

Same Dimension

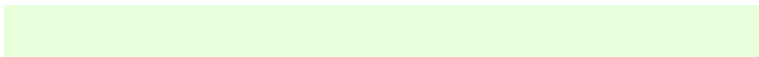
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6137, 96.7745, 81.0808



86.2315, 96.1713, 76.0742



81.6959, 93.7237, 80.8039



19.2466, 20.9285, 19.1695



33.0586, 44.7804, 6.9011



3.2942, 4.3990, 0.6755

Inverse Universe

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



74.4337, 73.8918, 104.9472



70.6817, 69.1727, 104.2341



80.1377, 76.8323, 105.2141



17.2850, 17.5231, 22.7212



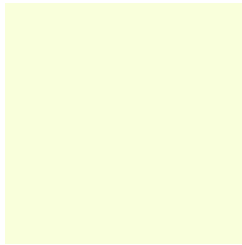
10.0232, 4.0776, 49.6934



1.0514, 0.4359, 4.8420

Previews

White Background



This preview shows how the XYZ color 87.6131, 96.7742, 81.0794 looks on a white background.

Color Contrast Check

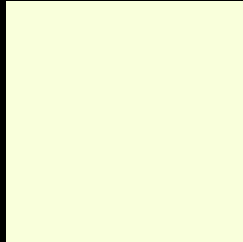
Large Text (above 18pt) WCAG AA × Fail

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 87.6131, 96.7742, 81.0794 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 87.6131, 96.7742, 81.0794

Background



This preview shows how black text looks on a background with the XYZ color 87.6131, 96.7742, 81.0794.



This preview shows how white text looks on a background with the XYZ color 87.6131, 96.7742,

81.0794.

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

87.6131, 96.7742, 81.0794



Protanopia

91.7642, 96.6652, 97.8262

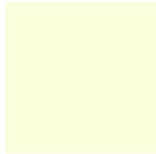
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

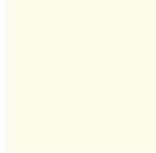
92.6921, 96.9098, 108.4278

Trichromacy



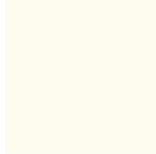
Original Color

87.6131, 96.7742, 81.0794



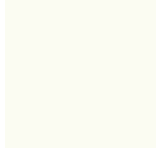
Protanomaly

90.1697, 96.4440, 91.7050



Deuteranomaly

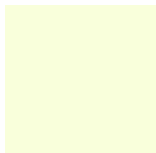
90.7510, 96.6765, 94.7663



Tritanomaly

90.6211, 96.5408, 97.8624

Monochromacy



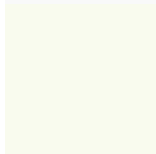
Original Color

87.6131, 96.7742, 81.0794



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.9967, 95.3071, 94.5944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6131, 96.7742, 81.0794 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(249, 255, 219) looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 219)  
}
```

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(249, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 87.6131, 96.7742, 81.0794 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(249, 255, 219) }
```


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

```
.border{ border-color:rgb(249, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 255, 219); box-shadow:4px 4px 4px 4px rgb(249, 255, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6131, 96.7742, 81.0794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 219) }
```

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

```
.background{ background-color: rgb(249,  
255, 219) }
```

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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