

Converting Colors

XYZ(103.5180, 129.1706,
93.4965)

Have a look what the booklet for
XYZ(103.5180, 129.1706, 93.4965)
contains.

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Color

**XYZ(87.2111, 96.4102,
88.1413)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FFE5
RGB	244, 255, 229
RGB Percent	96%, 100%, 90%
CMY	0.0431, 0.0000, 0.1020
CMYK	0.04, 0.00, 0.10, 0.00
HSL	85°, 100%, 95%
HSV	85°, 10%, 100%
XYZ	87.2111, 96.4102, 88.1413
YIQ	248.7470, 1.7900, -10.4180

Conversions

Conversions Part 2

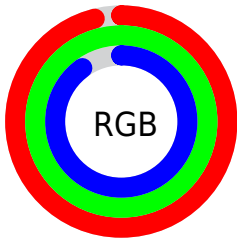
Format	Color
R_{YB}	229, 255, 240
Decimal	16056293
CIE _{Lab}	98.59, -8.08, 11.18
CIE _{LCh}	99, 13.796, 125.853
Yxy	96.4102, 0.3209, 0.3548
Android (android.graphics.Color)	4294246373 (0xFFFF4FFE5)
YUV	248.7470, -9.7353, -4.1631
Hunter-Lab	98.1887, -13.2867, 15.5091

Details

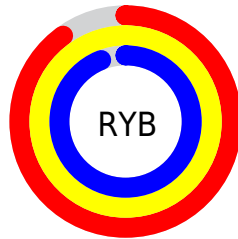
The XYZ color **87.2111, 96.4102, 88.1413** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82.0053, 81.7851, 106.0717**, and the grayscale version is **89.9106, 94.5930, 103.0117**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5731, 54.1355, 47.9335** is the 20% darker color. If you saturate the color by 10%, you get **80.2734, 93.2154, 70.5756**, and if you desaturate by 10%, it is **94.8924, 99.9280, 108.4746**.

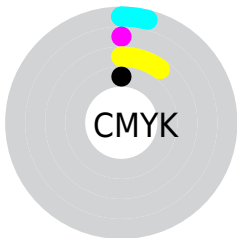
Distribution



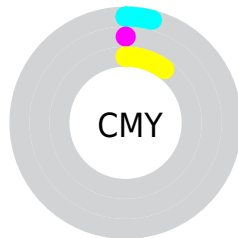
- Red (96%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2111, 96.4102, 88.1413 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 87.2111, 96.4102, 88.1413 by changing the saturation by 10% instead.

87.2111, 96.4102,
88.1413

87.2111, 96.4102,
88.1413

507.2904,
548.6698, 542.3791

65.9985, 73.3092,
65.8751

142.3565,
156.2114, 146.6667

48.5389, 54.2289,
47.7152

177.0200,
193.6805, 183.7630

34.4669, 38.7847,
33.2430

216.8979,
236.7077, 226.6398

23.4171, 26.5923,
22.0400

262.3556,
285.6774, 275.7155

15.0242, 17.2672,
13.6877

313.7583,
340.9741, 331.4088

8.9228, 10.4252,
7.7675

371.4714,

4.7476, 5.6818,

402.9821, 394.1381

3.8609

435.8604,
472.0859, 464.3221

■ 2.1331, 2.6526,
1.5494

■ 0.7071, 0.9532,
0.2543

■ 87.2111, 96.4102,
88.1413

■ 87.2111, 96.4102,
88.1413

■ 80.2734, 93.2154,
70.5756

94.8924, 99.9280,
108.4746

■ 74.0508, 90.3313,
55.6533

95.0500, 100.0000,
108.9000

■ 68.5157, 87.7467,
43.2474

■ 63.6379, 85.4490,
33.2186

■ 59.3843, 83.4246,
25.4139

■ 55.7183, 81.6582,
19.6628

■ 52.5987, 80.1329,
15.7697

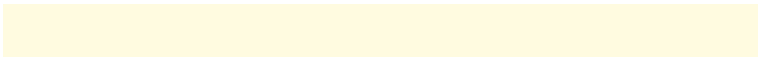
■ 49.9767, 78.8287,
13.5012

■ 47.8143, 77.7342,
12.4841

Harmonies

Analogous

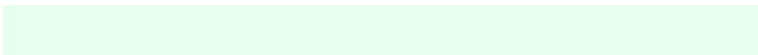
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8542, 96.4102, 84.5840



87.2111, 96.4102, 88.1413



84.8059, 96.4102, 96.2336

Triad

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



87.2111, 96.4102, 88.1413



88.5299, 96.4102, 126.3450



99.4871, 96.4102, 102.7478

Complementary

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



87.2111, 96.4102, 88.1413



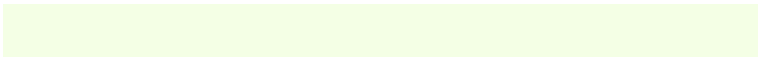
82.0053, 81.7851, 106.0717

Split Complementary

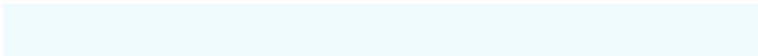
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.8212, 96.4102, 114.2289



87.2111, 96.4102, 88.1413



92.4202, 96.4102, 128.4034

Square

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



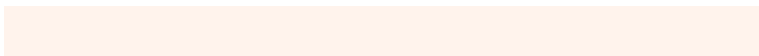
87.2111, 96.4102, 88.1413



85.5517, 96.4102, 118.3875



96.2060, 96.4102, 123.8246



98.0001, 96.4102, 92.6146

Rectangle

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



87.2111, 96.4102, 88.1413



84.1885, 96.4102, 103.3923



96.2060, 96.4102, 123.8246



99.5082, 96.4102, 106.5724

Sweetspot

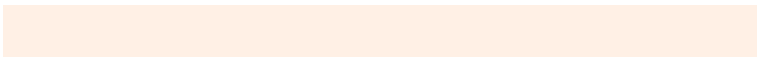
The Sweet Spot groups the original color and five complimentary colors.



87.2118, 96.4106, 88.1428



92.6619, 98.9084, 102.4866



86.4945, 89.1400, 86.7772



19.6993, 21.1091, 21.5788



0.0000, 0.0000, 0.0000



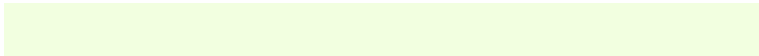
20.3446, 21.4041, 23.3091

Same Dimension

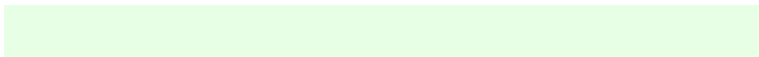
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2118, 96.4106, 88.1428



85.9055, 95.8104, 84.7713



82.9126, 94.1942, 87.9416



18.7753, 20.6856, 19.1475



25.1582, 40.7076, 6.5314



2.5744, 4.0279, 0.6418

Inverse Universe

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



82.0053, 81.7851, 106.0717



79.8538, 78.8106, 105.6110



86.5173, 84.1111, 106.2829



17.7314, 17.7533, 22.7421



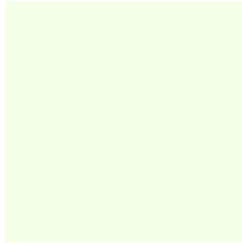
12.8171, 5.5179, 49.8241



1.3695, 0.5999, 4.8569

Previews

White Background



This preview shows how the XYZ color 87.2111, 96.4102, 88.1413 looks on a white background.

Color Contrast Check

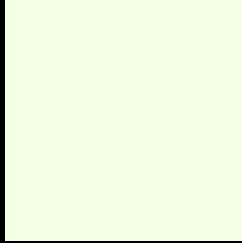
Large Text (above 18pt) WCAG AA × Fail

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 87.2111, 96.4102, 88.1413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

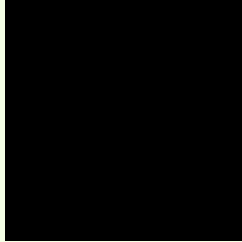
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

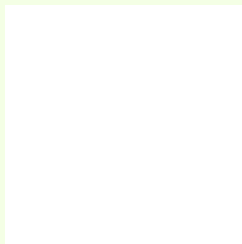
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.2111, 96.4102, 88.1413

Background



This preview shows how black text looks on a background with the XYZ color 87.2111, 96.4102, 88.1413.



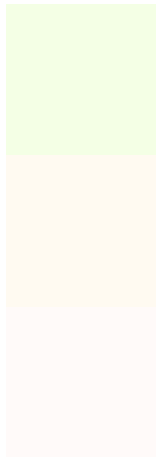
This preview shows how white text looks on a background with the XYZ color 87.2111, 96.4102,

88.1413.

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

87.2111, 96.4102, 88.1413

Protanopia

91.3028, 95.9821, 96.9333

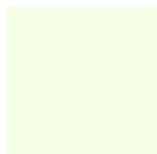
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

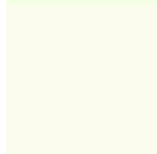
92.0193, 96.1004, 108.3070

Trichromacy



Original Color

87.2111, 96.4102, 88.1413



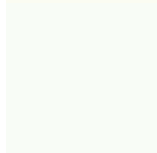
Protanomaly

89.8801, 96.2445, 93.9606



Deuteranomaly

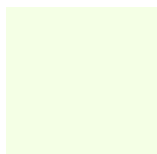
90.6211, 96.5408, 97.8624



Tritanomaly

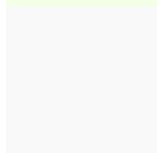
90.1564, 96.2311, 101.0115

Monochromacy



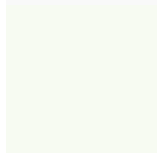
Original Color

87.2111, 96.4102, 88.1413



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.8820, 95.1793, 97.6913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2111, 96.4102, 88.1413 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(244, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 229)  
}
```

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(244, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 87.2111, 96.4102, 88.1413 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(244, 255, 229) }
```


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

```
.border{ border-color:rgb(244, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2111, 96.4102, 88.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 229) }
```

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

```
.background{ background-color: rgb(244,  
255, 229) }
```

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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