

Converting Colors

XYZ(89.4027, 100.0000,
85.5207)

Have a look what the booklet for
XYZ(89.4027, 100.0000, 85.5207)
contains.

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Color

**XYZ(87.7084, 96.7304,
85.2823)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FFE1
RGB	247, 255, 225
RGB Percent	97%, 100%, 88%
CMY	0.0314, 0.0000, 0.1176
CMYK	0.03, 0.00, 0.12, 0.00
HSL	76°, 100%, 94%
HSV	76°, 12%, 100%
XYZ	87.7084, 96.7304, 85.2823
YIQ	249.1880, 4.8620, -11.0260

Conversions

Conversions Part 2

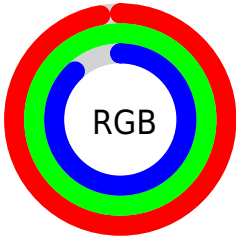
Format	Color
R_{YB}	225, 255, 233
Decimal	16252897
CIE _{Lab}	98.72, -7.70, 13.44
CIE _{LCh}	99, 15.490, 119.829
Yxy	96.7304, 0.3252, 0.3586
Android (android.graphics.Color)	4294442977 (0xFFFF7FFE1)
YUV	249.1880, -11.9247, -1.9189
Hunter-Lab	98.3516, -12.9319, 17.4348

Details

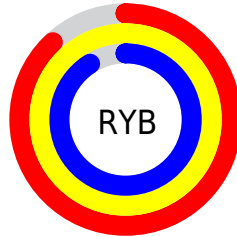
The XYZ color **87.7084, 96.7304, 85.2823** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **78.5803, 78.3953, 105.5979**, and the grayscale version is **90.2886, 94.9907, 103.4449**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9356, 54.3668, 45.9449** is the 20% darker color. If you saturate the color by 10%, you get **82.1309, 94.2275, 68.1979**, and if you desaturate by 10%, it is **93.8943, 99.4869, 105.1099**.

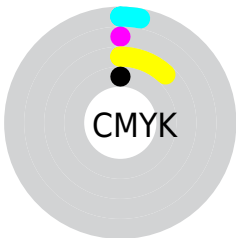
Distribution



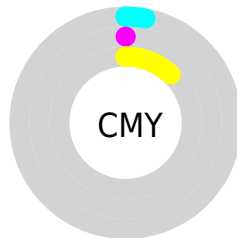
- Red (97%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7084, 96.7304, 85.2823 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 87.7084, 96.7304, 85.2823 by changing the saturation by 10% instead.

87.7084, 96.7304,
85.2823

87.7084, 96.7304,
85.2823

508.8975,
549.6900, 532.7307

66.4116, 73.5760,
63.5232

143.0457,
156.6531, 142.6452

48.8755, 54.4471,
45.8209

177.8169,
194.1901, 179.0860

34.7349, 38.9592,
31.7568

217.8104,
237.2902, 221.2579

23.6243, 26.7280,
20.9126

263.3913,
286.3378, 269.5792

15.1784, 17.3691,
12.8695

314.9251,
341.7171, 324.4686

9.0318, 10.4980,
7.2091

372.7772,

4.8192, 5.7304,

403.8127, 386.3446

3.5128

437.3129,
473.0088, 455.6258

■ 2.1752, 2.6818,
1.3620

■ 0.7296, 0.9680,
0.1118

■ 87.7084, 96.7304,
85.2823

■ 87.7084, 96.7304,
85.2823

■ 82.1309, 94.2275,
68.1979

■ 93.8943, 99.4869,
105.1099

■ 77.1360, 91.9675,
53.7314

■ 95.0500, 100.0000,
108.9000

■ 72.6986, 89.9404,
41.7544

■ 68.7910, 88.1351,
32.1257

■ 65.3829, 86.5392,
24.6901

■ 62.4402, 85.1390,
19.2738

■ 59.9239, 83.9189,
15.6766

■ 57.7873, 82.8599,
13.6574

■ 56.2549, 82.0855,
12.8791

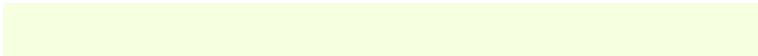
Harmonies

Analogous

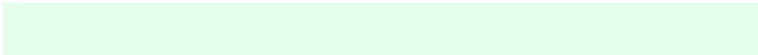
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9652, 96.7304, 82.4661



87.7084, 96.7304, 85.2823



84.6704, 96.7304, 93.3699

Triad

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



87.7084, 96.7304, 85.2823



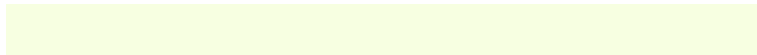
87.6650, 96.7304, 128.1959



100.8527, 96.7304, 105.3970

Complementary

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



87.7084, 96.7304, 85.2823



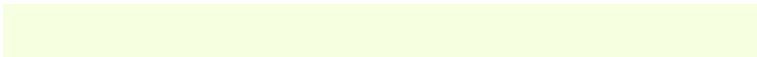
78.5803, 78.3953, 105.5979

Split Complementary

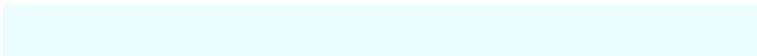
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.6129, 96.7304, 118.2550



87.7084, 96.7304, 85.2823



91.9135, 96.7304, 132.0553

Square

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



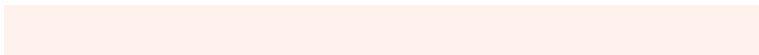
87.7084, 96.7304, 85.2823



84.6459, 96.7304, 118.1165



96.3042, 96.7304, 128.2803



99.6402, 96.7304, 93.4883

Rectangle

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



87.7084, 96.7304, 85.2823



83.6947, 96.7304, 101.0134



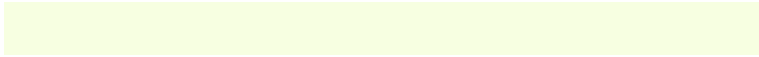
96.3042, 96.7304, 128.2803



100.7084, 96.7304, 109.7533

Sweetspot

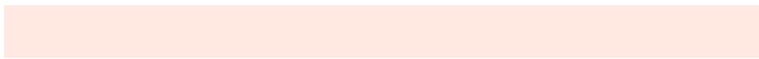
The Sweet Spot groups the original color and five complimentary colors.



87.7091, 96.7307, 85.2837



92.4574, 98.8482, 100.4328



83.8289, 84.6923, 83.1646



19.6877, 21.1122, 21.1668



0.0000, 0.0000, 0.0000



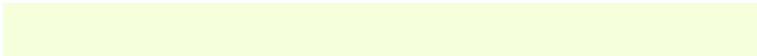
20.3446, 21.4041, 23.3091

Same Dimension

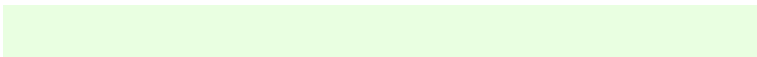
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7091, 96.7307, 85.2837



86.4099, 96.1494, 81.2295



82.7926, 94.1962, 85.0537



19.0609, 20.8328, 19.1609



29.5435, 42.9683, 6.7366



2.9802, 4.2371, 0.6608

Inverse Universe

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



78.5803, 78.3953, 105.5979



75.7153, 74.6680, 105.0295



83.5103, 80.9368, 105.8286



17.4573, 17.6119, 22.7293



10.7965, 4.4763, 49.7296



1.1495, 0.4865, 4.8466

Previews

White Background



This preview shows how the XYZ color 87.7084, 96.7304, 85.2823 looks on a white background.

Color Contrast Check

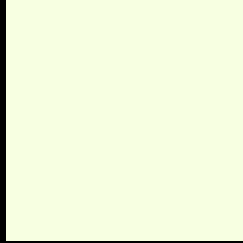
Large Text (above 18pt) WCAG AA × Fail

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 87.7084, 96.7304, 85.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

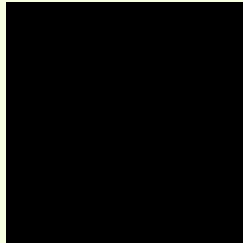
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

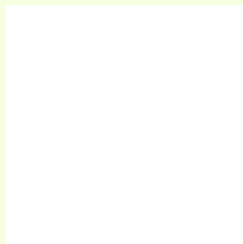
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.7084, 96.7304, 85.2823

Background



This preview shows how black text looks on a background with the XYZ color 87.7084, 96.7304, 85.2823.



This preview shows how white text looks on a background with the XYZ color 87.7084, 96.7304,

85.2823.

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

87.7084, 96.7304, 85.2823

Protanopia

91.7642, 96.6652, 97.8262

Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

92.6921, 96.9098, 108.4278

Trichromacy



Original Color

87.7084, 96.7304, 85.2823



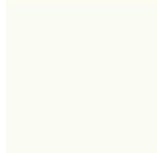
Protanomaly

90.0956, 96.3724, 93.2101



Deuteranomaly

90.6835, 96.6075, 96.3057



Tritanomaly

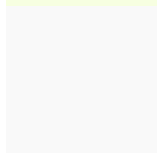
90.5639, 96.4765, 99.4365

Monochromacy



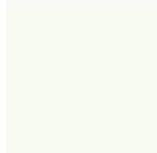
Original Color

87.7084, 96.7304, 85.2823



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.9368, 95.2421, 96.1342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7084, 96.7304, 85.2823 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(247, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 225)  
}
```

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(247, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 87.7084, 96.7304, 85.2823 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(247, 255, 225) }
```


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

```
.border{ border-color:rgb(247, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7084, 96.7304, 85.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 225) }
```

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

```
.background{ background-color: rgb(247,  
255, 225) }
```

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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