

Converting Colors

XYZ(105.2820, 100.0000,
68.3388)

Have a look what the booklet for
XYZ(105.2820, 100.0000, 68.3388)
contains.

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Color

**XYZ(83.4175, 88.9344,
67.4131)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF2C8 |
| RGB | 255, 242, 200 |
| RGB Percent | 100%, 95%, 78% |
| CMY | 0.0000, 0.0510, 0.2157 |
| CMYK | 0.00, 0.05, 0.22, 0.00 |
| HSL | 46°, 100%, 89% |
| HSV | 46°, 22%, 100% |
| XYZ | 83.4175, 88.9344, 67.4131 |
| YIQ | 241.0990, 21.2300, -10.3060 |

Conversions

Conversions Part 2

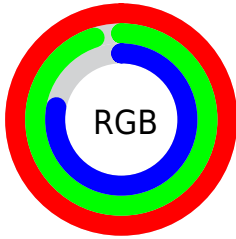
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 217, 255, 200 |
| Decimal | 16773832 |
| CIE _{Lab} | 95.55, -2.12, 21.87 |
| CIE _{LCh} | 96, 21.974, 95.530 |
| Y _{xy} | 88.9344, 0.3479, 0.3709 |
| Android (android.graphics.Color) | 4294963912 (0xFFFFF2C8) |
| YUV | 241.0990, -20.2618, 12.1912 |
| Hunter-Lab | 94.3050, -7.1417, 23.6306 |

Details

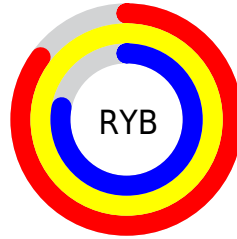
The XYZ color **83.4175, 88.9344, 67.4131** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.6631, 67.0860, 104.0958**, and the grayscale version is **83.8317, 88.1975, 96.0471**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0359, 49.1989, 34.2641** is the 20% darker color. If you saturate the color by 10%, you get **78.9192, 84.3160, 52.4166**, and if you desaturate by 10%, it is **88.4761, 93.8775, 85.0508**.

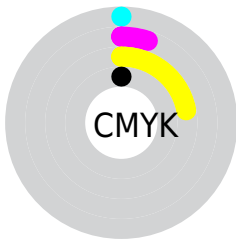
Distribution



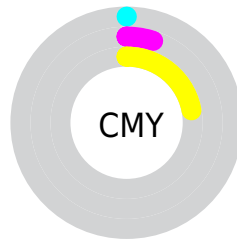
- Red (100%)
- Green (95%)
- Blue (78%)



- Red (85%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4175, 88.9344, 67.4131 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 83.4175, 88.9344, 67.4131 by changing the saturation by 10% instead.


 83.4175, 88.9344,
67.4131

 83.4175, 88.9344,
67.4131


494.9398,
524.5584, 469.9553

 62.8527, 67.0972,
48.9567


137.0855,
145.8573, 117.1584

 45.9803, 49.1636,
34.2198


170.9195,
181.7119, 149.2844

 32.4348, 34.7493,
22.7838


209.9072,
223.0076, 186.8040

 21.8510, 23.4698,
14.2301

254.4141,
270.1289, 230.1358

 13.8634, 14.9408,
8.1403

304.8054,
323.4603, 279.6983

 8.1068, 8.7778,
4.0958

361.4466,

 4.2157, 4.5966,

383.3861, 335.9100

1.6781

424.7029,
450.2906, 399.1895

■ 1.8249, 2.0126,
0.3456

■ 0.5326, 0.6148,
0.0000

■ 83.4175, 88.9344,
67.4131

■ 83.4175, 88.9344,
67.4131

■ 78.9192, 84.3160,
52.4166

■ 88.4761, 93.8775,
85.0508

■ 74.9499, 79.9998,
39.9259

■ 94.1123, 99.1440,
105.4450

■ 71.4842, 75.9778,
29.8017

■ 95.0500, 100.0000,
108.9000

■ 68.4923, 72.2370,
21.8890

■ 65.9405, 68.7632,
16.0143

■ 63.7905, 65.5400,
11.9779

■ 61.9960, 62.5479,
9.5395

■ 60.7001, 60.1802,
8.4167

Harmonies

Analogous

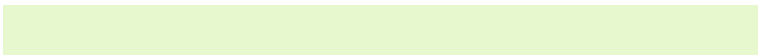
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4212, 88.9344, 69.6578



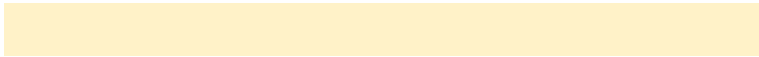
83.4175, 88.9344, 67.4131



77.9719, 88.9344, 72.2576

Triad

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



83.4175, 88.9344, 67.4131



75.4446, 88.9344, 117.4314



95.5225, 88.9344, 111.2430

Complementary

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



83.4175, 88.9344, 67.4131



65.6631, 67.0860, 104.0958

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.



91.4447, 88.9344, 126.4341



83.4175, 88.9344, 67.4131



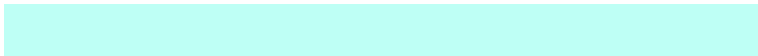
79.8195, 88.9344, 130.2939

Square

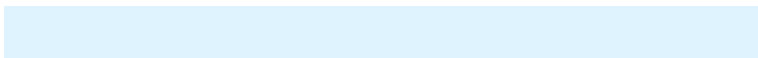
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4175, 88.9344, 67.4131



73.5111, 88.9344, 100.0685



85.6513, 88.9344, 133.7694



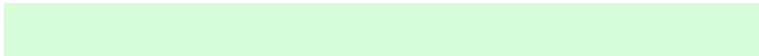
96.5973, 88.9344, 93.6708

Rectangle

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



83.4175, 88.9344, 67.4131



75.3306, 88.9344, 79.2383



85.6513, 88.9344, 133.7694



94.4483, 88.9344, 116.8599

Sweetspot

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



83.4196, 88.9383, 67.4150



91.5413, 96.7688, 96.0581



74.0006, 67.4119, 72.5636



19.5146, 20.6388, 20.2744



0.0000, 0.0000, 0.0000



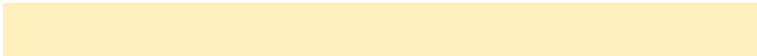
20.3446, 21.4041, 23.3091

Same Dimension

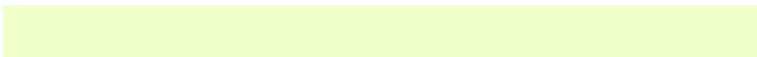
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4196, 88.9383, 67.4150



81.3578, 86.8511, 60.4495



82.5468, 94.4351, 68.5220



19.1761, 20.3204, 19.0559



31.8378, 31.6869, 4.4381



3.1835, 3.2523, 0.4600

Inverse Universe

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



65.6631, 67.0860, 104.0958



60.6414, 61.3594, 103.2551



66.3638, 62.7883, 103.2293



17.3513, 18.0742, 22.8241



10.3769, 5.6635, 49.9808



1.0900, 0.7107, 4.8930

Previews

White Background



This preview shows how the XYZ color 83.4175, 88.9344, 67.4131 looks on a white background.

Color Contrast Check

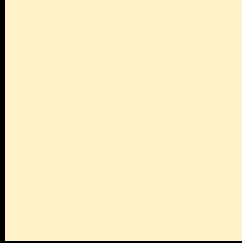
Large Text (above 18pt) WCAG AA × Fail

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 83.4175, 88.9344, 67.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

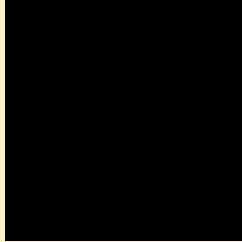
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.4175, 88.9344, 67.4131

Background



This preview shows how black text looks on a background with the XYZ color 83.4175, 88.9344, 67.4131.



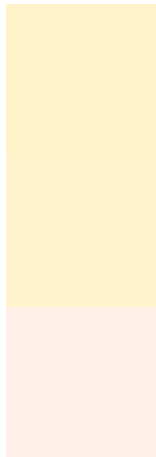
This preview shows how white text looks on a background with the XYZ color 83.4175, 88.9344,

67.4131.

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

83.4175, 88.9344, 67.4131

Protanopia

83.8912, 89.1239, 69.9078

Deuteranopia

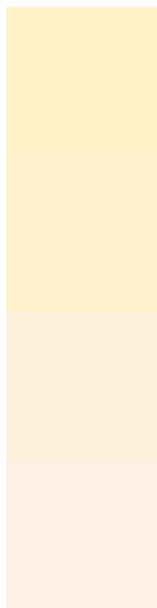
86.3894, 88.7062, 87.4317



Tritanopia

88.6231, 88.6679, 102.0662

Trichromacy



Original Color

83.4175, 88.9344, 67.4131

Protanomaly

83.7716, 89.0761, 69.2781

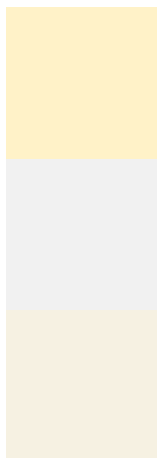
Deuteranomaly

85.1863, 88.6946, 79.6478

Tritanomaly

86.5303, 88.7625, 88.1735

Monochromacy



Original Color

83.4175, 88.9344, 67.4131

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.1888, 87.9944, 84.5516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4175, 88.9344, 67.4131 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(255, 242, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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(255, 242, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 200) }
```

Border

The CSS property to change the border of an element to XYZ 83.4175, 88.9344, 67.4131 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(255, 242, 200) }
```


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

```
.border{ border-color:rgb(255, 242, 200) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4175, 88.9344, 67.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 200) }
```

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

```
.background{ background-color: rgb(255,  
242, 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](#).

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