

Converting Colors

XYZ(86.1557, 100.0000,
72.4406)

Have a look what the booklet for
XYZ(86.1557, 100.0000, 72.4406)
contains.

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Color

**XYZ(83.7416, 94.9825,
71.6774)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F3FFCD |
| RGB | 243, 255, 205 |
| RGB Percent | 95%, 100%, 80% |
| CMY | 0.0471, 0.0000, 0.1961 |
| CMYK | 0.05, 0.00, 0.20, 0.00 |
| HSL | 74°, 100%, 90% |
| HSV | 74°, 20%, 100% |
| XYZ | 83.7416, 94.9825, 71.6774 |
| YIQ | 245.7120, 8.8980, -18.0940 |

Conversions

Conversions Part 2

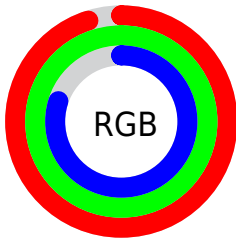
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 205, 255, 217 |
| Decimal | 15990733 |
| CIE _{Lab} | 98.03, -12.16, 22.62 |
| CIE _{LCh} | 98, 25.678, 118.267 |
| Yxy | 94.9825, 0.3344, 0.3793 |
| Android (android.graphics.Color) | 4294180813 (0xFFFF3FFCD) |
| YUV | 245.7120, -20.0710, -2.3784 |
| Hunter-Lab | 97.4590, -17.1771, 24.6157 |

Details

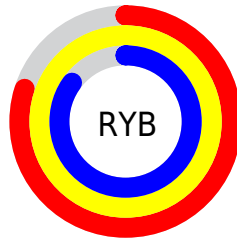
The XYZ color **83.7416, 94.9825, 71.6774** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.4975, 65.6356, 103.6665**, and the grayscale version is **87.5159, 92.0735, 100.2681**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2735, 53.1873, 37.1055** is the 20% darker color. If you saturate the color by 10%, you get **78.8329, 92.7791, 56.6678**, and if you desaturate by 10%, it is **89.2235, 97.4233, 89.3352**.

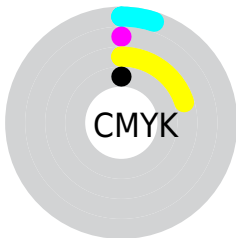
Distribution



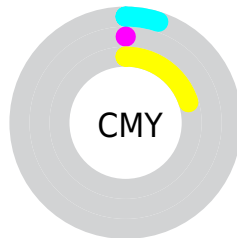
- Red (95%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7416, 94.9825, 71.6774 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 83.7416, 94.9825, 71.6774 by changing the saturation by 10% instead.


 83.7416, 94.9825,
71.6774

 83.7416, 94.9825,
71.6774

496.0014,
544.1090, 485.3653

 63.1211, 72.1204,
52.4100


137.5368,
154.2404, 123.3012

 46.1982, 53.2570,
36.9475


171.4422,
191.4051, 156.4947

 32.6075, 38.0080,
24.8713


210.5066,
234.1060, 195.1672

 21.9838, 25.9889,
15.7631

255.0954,
282.7276, 239.7374

 13.9615, 16.8153,
9.2041

305.5739,
337.6543, 290.6238

 8.1754, 10.1029,
4.7759

362.3075,

 4.2601, 5.4673,

399.2705, 348.2449

2.0600

425.6616,
467.9606, 413.0192

■ 1.8503, 2.5239,
0.5918

■ 0.5477, 0.8886,
0.0000

■ 83.7416, 94.9825,
71.6774

■ 83.7416, 94.9825,
71.6774

■ 78.8329, 92.7791,
56.6678

■ 89.2235, 97.4233,
89.3352

■ 74.4708, 90.8024,
44.1744

95.0500, 100.0000,
108.9000

■ 70.6290, 89.0417,
34.0600

■ 67.2779, 87.4852,
26.1729

■ 64.3846, 86.1197,
20.3438

■ 61.9117, 84.9301,
16.3791

■ 59.8147, 83.8985,
14.0484

■ 58.0244, 82.9971,
12.9906

■ 57.9572, 82.9631,
12.9588

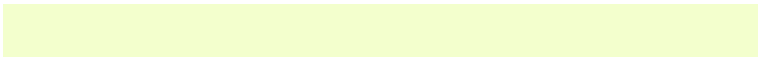
Harmonies

Analogous

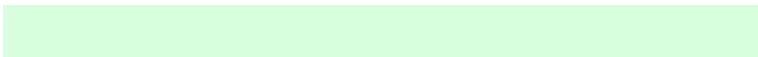
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7067, 94.9825, 67.9732



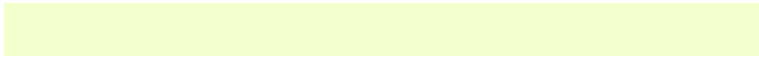
83.7416, 94.9825, 71.6774



78.7707, 94.9825, 83.5368

Triad

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



83.7416, 94.9825, 71.6774



83.0385, 94.9825, 141.8550



105.1724, 94.9825, 104.6503

Complementary

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



83.7416, 94.9825, 71.6774



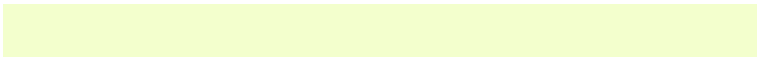
68.4975, 65.6356, 103.6665

Split Complementary

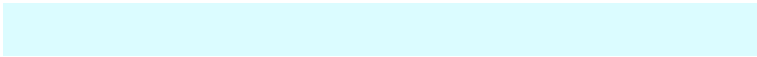
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.8548, 94.9825, 126.2311



83.7416, 94.9825, 71.6774



89.8507, 94.9825, 149.4421

Square

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



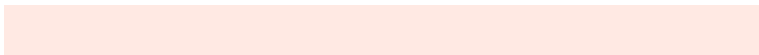
83.7416, 94.9825, 71.6774



78.3805, 94.9825, 123.8220



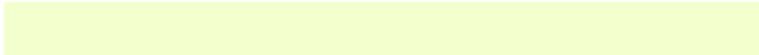
97.1460, 94.9825, 143.3735



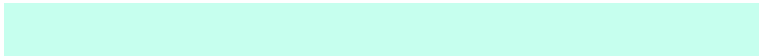
103.3224, 94.9825, 85.3916

Rectangle

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



83.7416, 94.9825, 71.6774



77.1208, 94.9825, 95.3962



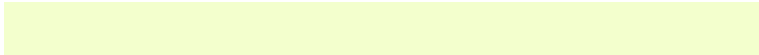
97.1460, 94.9825, 143.3735



104.8525, 94.9825, 111.8812

Sweetspot

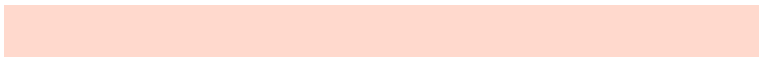
The Sweet Spot groups the original color and five complimentary colors.



83.7421, 94.9827, 71.6788



91.3456, 98.3637, 96.3763



76.9871, 75.1228, 68.2014



19.4682, 21.0169, 20.3498



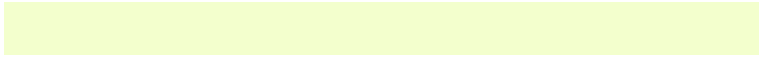
0.0000, 0.0000, 0.0000



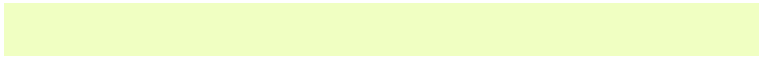
20.3446, 21.4041, 23.3091

Same Dimension

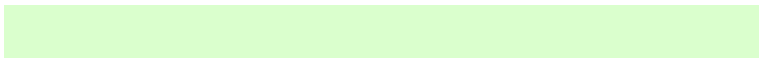
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7421, 94.9827, 71.6788



81.5165, 93.9860, 64.7660



75.7934, 90.8850, 71.3068



19.1102, 20.8582, 19.1632



30.4244, 43.4224, 6.7778



3.0596, 4.2780, 0.6645

Inverse Universe

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



68.4975, 65.6356, 103.6665



63.4471, 59.1953, 102.6896



76.3857, 69.7021, 104.0356



17.4111, 17.5882, 22.7271



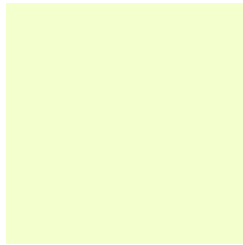
10.5537, 4.3511, 49.7182



1.1202, 0.4714, 4.8452

Previews

White Background



This preview shows how the XYZ color 83.7416, 94.9825, 71.6774 looks on a white background.

Color Contrast Check

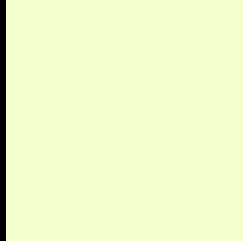
Large Text (above 18pt) WCAG AA × Fail

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 83.7416, 94.9825, 71.6774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

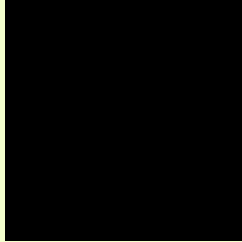
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

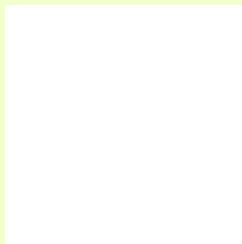
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7416, 94.9825, 71.6774

Background



This preview shows how black text looks on a background with the XYZ color 83.7416, 94.9825, 71.6774.



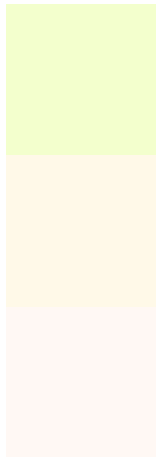
This preview shows how white text looks on a background with the XYZ color 83.7416, 94.9825,

71.6774.

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

83.7416, 94.9825, 71.6774

Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

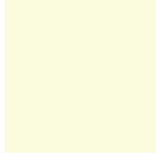
91.0417, 94.6788, 108.0842

Trichromacy



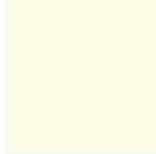
Original Color

83.7416, 94.9825, 71.6774



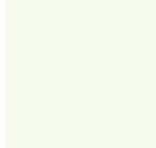
Protanomaly

87.4657, 94.7775, 82.7912



Deuteranomaly

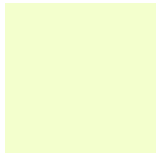
88.5638, 95.2168, 88.5738



Tritanomaly

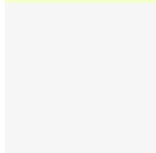
88.1410, 94.8829, 93.7895

Monochromacy



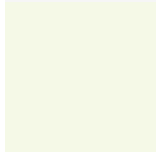
Original Color

83.7416, 94.9825, 71.6774



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

85.9557, 92.9334, 89.0089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7416, 94.9825, 71.6774 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(243, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 205)  
}
```

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(243, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 83.7416, 94.9825, 71.6774 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(243, 255, 205) }
```


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

```
.border{ border-color:rgb(243, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7416, 94.9825, 71.6774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 205) }
```

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

```
.background{ background-color: rgb(243,  
255, 205) }
```

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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