

Converting Colors

XYZ(85.6733, 100.0000,
69.4409)

Have a look what the booklet for
XYZ(85.6733, 100.0000, 69.4409)
contains.

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Color

**XYZ(83.1475, 94.7448,
68.5488)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFC8
RGB	243, 255, 200
RGB Percent	95%, 100%, 78%
CMY	0.0471, 0.0000, 0.2157
CMYK	0.05, 0.00, 0.22, 0.00
HSL	73°, 100%, 89%
HSV	73°, 22%, 100%
XYZ	83.1475, 94.7448, 68.5488
YIQ	245.1420, 10.5030, -19.6490

Conversions

Conversions Part 2

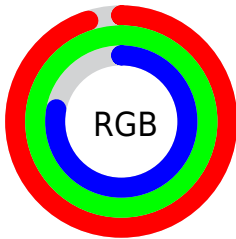
Format	Color
R_{YB}	200, 255, 212
Decimal	15990728
CIE _{Lab}	97.93, -12.89, 25.02
CIE _{LCh}	98, 28.144, 117.250
Yxy	94.7448, 0.3374, 0.3845
Android (android.graphics.Color)	4294180808 (0xFFFF3FFC8)
YUV	245.1420, -22.2550, -1.8785
Hunter-Lab	97.3369, -17.8608, 26.3813

Details

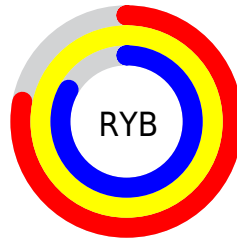
The XYZ color **83.1475, 94.7448, 68.5488** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.8565, 62.5268, 103.2056**, and the grayscale version is **87.0721, 91.6067, 99.7597**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6321, 52.9026, 35.0003** is the 20% darker color. If you saturate the color by 10%, you get **78.5203, 92.6755, 54.0513**, and if you desaturate by 10%, it is **88.3310, 97.0435, 85.6696**.

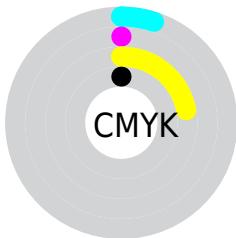
Distribution



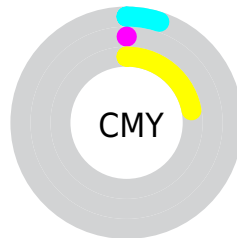
- Red (95%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (83%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1475, 94.7448, 68.5488 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 83.1475, 94.7448, 68.5488 by changing the saturation by 10% instead.

83.1475, 94.7448,
68.5488

83.1475, 94.7448,
68.5488

494.0545,
543.3477, 474.0888

62.6292, 71.9226,
49.8749

136.7095,
153.9120, 118.7985

45.7988, 53.0954,
34.9435

170.4838,
191.0258, 151.2114

32.2910, 37.8790,
23.3361

209.4076,
233.6722, 189.0410

21.7405, 25.8888,
14.6343

253.8460,
282.2356, 232.7058

13.7819, 16.7404,
8.4194

304.1646,
337.1005, 282.6245

8.0498, 10.0496,
4.2728

360.7286,

4.1789, 5.4319,

398.6512, 339.2155

1.7762

423.9035,
467.2721, 402.8974

■ 1.8038, 2.5028,
0.4122

■ 0.5200, 0.8780,
0.0000

■ 83.1475, 94.7448,
68.5488

■ 83.1475, 94.7448,
68.5488

■ 78.5203, 92.6755,
54.0513

■ 88.3310, 97.0435,
85.6696

■ 74.4228, 90.8247,
42.0431

■ 94.0928, 99.5801,
105.5303

■ 70.8282, 89.1817,
32.3849

■ 95.0500, 100.0000,
108.9000

■ 67.7065, 87.7344,
24.9217

■ 65.0244, 86.4693,
19.4802

■ 62.7434, 85.3712,
15.8609

■ 60.8174, 84.4214,
13.8237

■ 59.4103, 83.7122,
13.0268

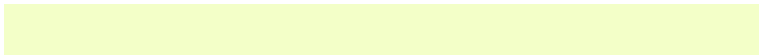
Harmonies

Analogous

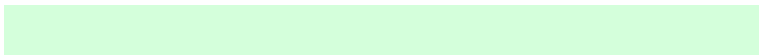
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7971, 94.7448, 64.9070



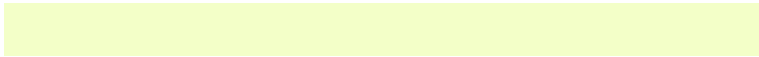
83.1475, 94.7448, 68.5488



77.6482, 94.7448, 80.9846

Triad

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



83.1475, 94.7448, 68.5488



81.9333, 94.7448, 145.1275



106.4190, 94.7448, 105.3034

Complementary

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



83.1475, 94.7448, 68.5488



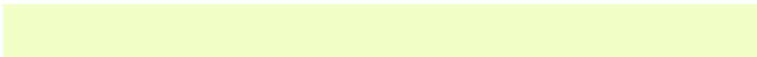
65.8565, 62.5268, 103.2056

Split Complementary

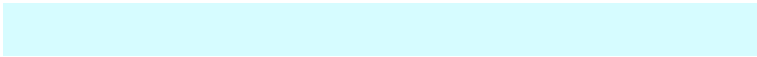
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.7112, 94.7448, 129.0559



83.1475, 94.7448, 68.5488



89.3112, 94.7448, 154.0916

Square

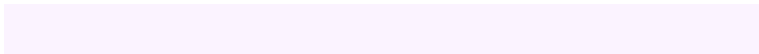
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



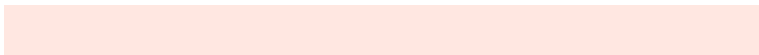
83.1475, 94.7448, 68.5488



76.9771, 94.7448, 124.8243



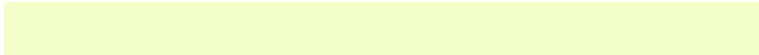
97.3287, 94.7448, 147.8154



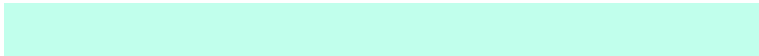
104.5296, 94.7448, 84.1614

Rectangle

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



83.1475, 94.7448, 68.5488



75.7796, 94.7448, 93.6809



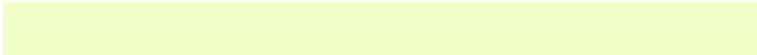
97.3287, 94.7448, 147.8154



106.0127, 94.7448, 113.2600

Sweetspot

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



83.1480, 94.7451, 68.5502



91.4662, 98.4258, 96.3819



75.1887, 72.4764, 64.6714



19.4968, 21.0316, 20.3512



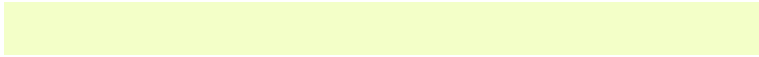
0.0000, 0.0000, 0.0000



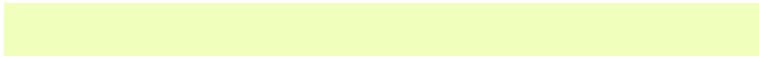
20.3446, 21.4041, 23.3091

Same Dimension

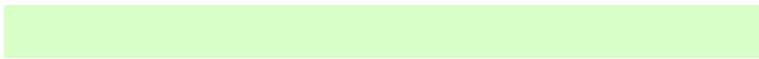
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1480, 94.7451, 68.5502



81.0299, 93.8001, 61.8081



74.3820, 90.2260, 68.1399



19.1506, 20.8791, 19.1651



31.1756, 43.8097, 6.8130



3.1269, 4.3127, 0.6676

Inverse Universe

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



65.8565, 62.5268, 103.2056



60.8567, 56.2059, 102.2491



74.4424, 66.9530, 103.6074



17.3735, 17.5688, 22.7254



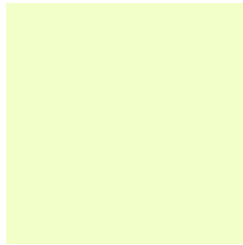
10.3752, 4.2591, 49.7098



1.0980, 0.4600, 4.8442

Previews

White Background



This preview shows how the XYZ color 83.1475, 94.7448, 68.5488 looks on a white background.

Color Contrast Check

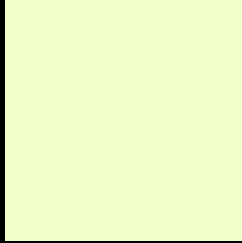
Large Text (above 18pt) WCAG AA × Fail

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 83.1475, 94.7448, 68.5488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

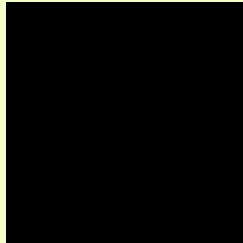
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

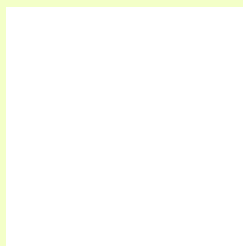
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1475, 94.7448, 68.5488

Background



This preview shows how black text looks on a background with the XYZ color 83.1475, 94.7448, 68.5488.



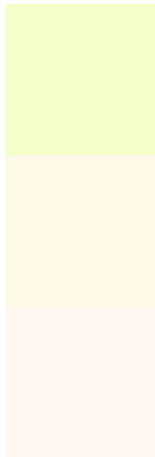
This preview shows how white text looks on a background with the XYZ color 83.1475, 94.7448,

68.5488.

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

83.1475, 94.7448, 68.5488

Protanopia

89.5395, 94.7809, 89.1766

Deuteranopia

90.9851, 94.8659, 98.3095

Tritanopia

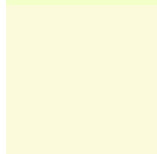
91.0417, 94.6788, 108.0842

Trichromacy



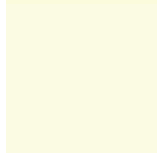
Original Color

83.1475, 94.7448, 68.5488



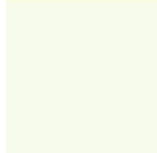
Protanomaly

87.1991, 94.6709, 81.3876



Deuteranomaly

88.1460, 95.0496, 86.3737



Tritanomaly

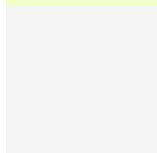
87.8503, 94.7667, 92.2589

Monochromacy



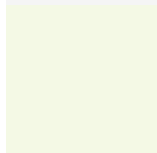
Original Color

83.1475, 94.7448, 68.5488



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.3268, 92.6416, 87.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1475, 94.7448, 68.5488 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 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(243, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 83.1475, 94.7448, 68.5488 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, 200) }
```


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

```
.border{ border-color:rgb(243, 255, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1475, 94.7448, 68.5488 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, 200) }
```

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

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