

Converting Colors

XYZ(83.4398, 89.8235, 84.3287)

Have a look what the booklet for
XYZ(83.4398, 89.8235, 84.3287)
contains.

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Color

**XYZ(83.5512, 89.9742,
84.1973)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F5E1
RGB	244, 245, 225
RGB Percent	96%, 96%, 88%
CMY	0.0431, 0.0392, 0.1176
CMYK	0.00, 0.00, 0.08, 0.04
HSL	63°, 50%, 92%
HSV	63°, 8%, 96%
XYZ	83.5512, 89.9742, 84.1973
YIQ	242.4210, 5.8240, -6.4320

Conversions

Conversions Part 2

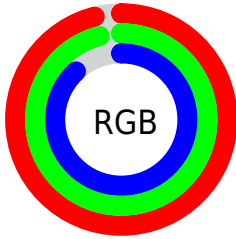
Format	Color
R _Y B	225, 245, 226
Decimal	16053729
CIE Lab	95.99, -3.73, 9.51
CIE LCh	96, 10.211, 111.418
Yxy	89.9742, 0.3242, 0.3491
Android (android.graphics.Color)	4294243809 (0xFFFF4F5E1)
YUV	242.4210, -8.5886, 1.3848
Hunter-Lab	94.8547, -8.7670, 13.7699

Details

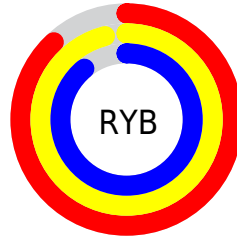
The XYZ color **83.5512, 89.9742, 84.1973** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7743, 76.6143, 97.2381**, and the grayscale version is **84.7964, 89.2125, 97.1524**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1923, 49.9888, 45.2444** is the 20% darker color. If you saturate the color by 10%, you get **80.0210, 88.5159, 67.8189**, and if you desaturate by 10%, it is **87.5688, 91.6337, 103.1057**.

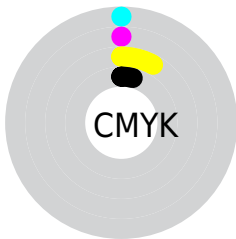
Distribution



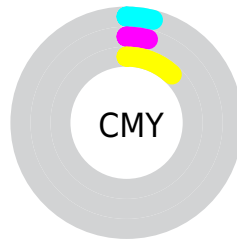
- Red (96%)
- Green (96%)
- Blue (88%)



- Red (88%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5512, 89.9742, 84.1973 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 83.5512, 89.9742, 84.1973 by changing the saturation by 10% instead.

83.5512, 89.9742,
84.1973

83.5512, 89.9742,
84.1973

495.3779,
527.9469, 529.0434

62.9634, 67.9592,
62.6320

137.2717,
147.3026, 141.1153

46.0702, 49.8646,
45.1045

171.1352,
183.3847, 177.3051

32.5060, 35.3058,
31.1962

210.1545,
224.9248, 219.2069

21.9057, 23.8985,
20.4886

254.6952,
272.3071, 267.2391

13.9039, 15.2584,
12.5631

305.1225,
325.9161, 321.8203

8.1351, 9.0009,
7.0012

361.8018,

4.2340, 4.7418,

386.1361, 383.3690

3.3844

425.0985,
453.3516, 452.3039

■ 1.8354, 2.0966,
1.2941

■ 0.5388, 0.6627,
0.0570

■ 83.5512, 89.9742,
84.1973

■ 83.5512, 89.9742,
84.1973

■ 80.0210, 88.5159,
67.8189

■ 87.5688, 91.6337,
103.1057

■ 76.9506, 87.2388,
53.8577


■ 88.8730, 92.2052,
107.7210


■ 74.3206, 86.1383,
42.2008


■ 89.3073, 92.4291,
107.7413


■ 72.1074, 85.2048,
32.7242


■ 89.7446, 92.6545,
107.7618


 70.2854, 84.4281,
25.2923


 90.1847, 92.8814,
107.7824


 68.8257, 83.7967,
19.7543


 90.6277, 93.1098,
107.8031

 67.6960, 83.2976,
15.9386

 91.0736, 93.3397,
107.8240

 66.8576, 82.9154,
13.6427

 91.5224, 93.5710,
107.8450

 66.2574, 82.6287,
12.5859

 91.9443, 93.7885,
107.8648

Harmonies

Analogous

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



86.3303, 89.9742, 83.3870



83.5512, 89.9742, 84.1973



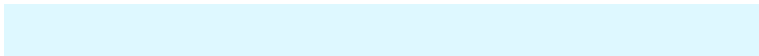
81.3450, 89.9742, 88.5893

Triad

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



83.5512, 89.9742, 84.1973



82.1775, 89.9742, 110.6263



90.9974, 89.9742, 100.3045

Complementary

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



83.5512, 89.9742, 84.1973



74.7743, 76.6143, 97.2381

Split Complementary

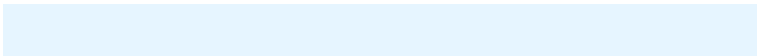
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8309, 89.9742, 107.9833



83.5512, 89.9742, 84.1973



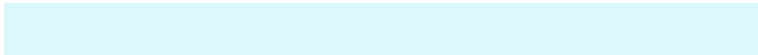
84.7104, 89.9742, 114.1537

Square

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



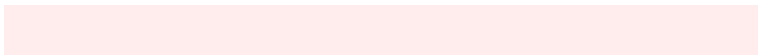
83.5512, 89.9742, 84.1973



80.5641, 89.9742, 103.7528



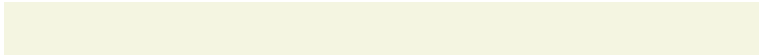
87.5150, 89.9742, 113.1608



90.6705, 89.9742, 92.3997

Rectangle

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



83.5512, 89.9742, 84.1973



80.4759, 89.9742, 93.0964



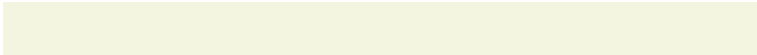
87.5150, 89.9742, 113.1608



90.7660, 89.9742, 103.0038

Sweetspot

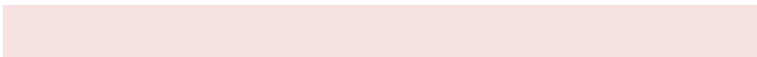
The Sweet Spot groups the original color and five complimentary colors.



83.5537, 89.9781, 84.1992



94.1454, 99.6273, 104.6283



78.4461, 79.2437, 82.3965



20.1605, 21.3282, 22.4395



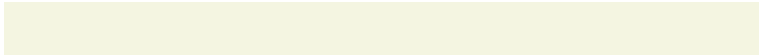
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.5537, 89.9781, 84.1992



90.7430, 98.2229, 88.6716



80.1780, 88.2379, 84.0413



17.8276, 19.2687, 17.5772



35.6756, 44.5043, 6.7099



3.1604, 3.9243, 0.5909

Inverse Universe

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



74.7743, 76.6143, 97.2381



79.0923, 80.4883, 105.9749



78.0015, 78.2780, 97.3891



15.6582, 15.9664, 20.7991



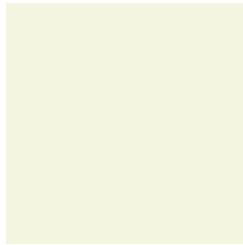
8.9960, 3.6119, 46.7611



0.8173, 0.3312, 4.1111

Previews

White Background



This preview shows how the XYZ color 83.5512, 89.9742, 84.1973 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 83.5512, 89.9742, 84.1973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

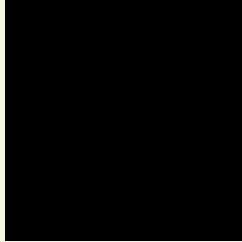
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

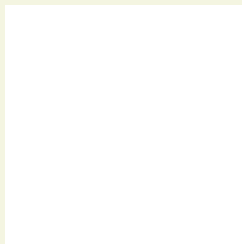
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5512, 89.9742, 84.1973

Background



This preview shows how black text looks on a background with the XYZ color 83.5512, 89.9742, 84.1973.

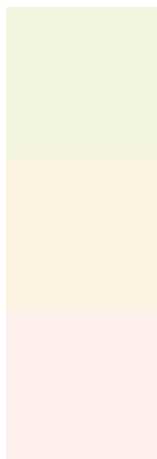


This preview shows how white text looks on a background with the XYZ color 83.5512, 89.9742,

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

83.5512, 89.9742, 84.1973

Protanopia

85.3516, 89.5815, 83.3135

Deuteranopia

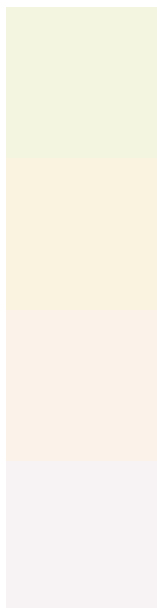
87.6862, 89.6946, 92.8120



Tritanopia

88.2167, 90.0871, 107.3468

Trichromacy



Original Color

83.5512, 89.9742, 84.1973

Protanomaly

84.5721, 89.6227, 83.3625

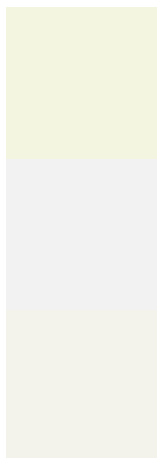
Deuteranomaly

86.2438, 89.8967, 89.8971

Tritanomaly

86.4390, 89.8101, 98.3672

Monochromacy



Original Color

83.5512, 89.9742, 84.1973

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.1531, 89.2120, 92.1412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5512, 89.9742, 84.1973 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, 245, 225) looks like.

```
.text, #text, p{  
    color:rgb(244, 245, 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(244, 245, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 245, 225) }
```

Border

The CSS property to change the border of an element to XYZ 83.5512, 89.9742, 84.1973 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, 245, 225) }
```


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

```
.border{ border-color:rgb(244, 245, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 245, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 245, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 245, 225);  
box-shadow:4px 4px 4px 4px rgb(244, 245,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5512, 89.9742, 84.1973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 245, 225) }
```

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

```
.background{ background-color: rgb(244,  
245, 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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