

Converting Colors

XYZ(83.2483, 89.7592, 73.6523)

Have a look what the booklet for
XYZ(83.2483, 89.7592, 73.6523)
contains.

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Color

**XYZ(83.0505, 89.4942,
73.8697)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F4D2
RGB	249, 244, 210
RGB Percent	98%, 96%, 82%
CMY	0.0235, 0.0431, 0.1765
CMYK	0.00, 0.02, 0.16, 0.02
HSL	52°, 76%, 90%
HSV	52°, 16%, 98%
XYZ	83.0505, 89.4942, 73.8697
YIQ	241.6190, 13.8940, -9.5140

Conversions

Conversions Part 2

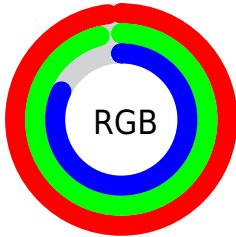
Format	Color
R_{YB}	216, 249, 210
Decimal	16381138
CIE Lab	95.79, -3.83, 17.00
CIE LCh	96, 17.423, 102.690
Yxy	89.4942, 0.3370, 0.3632
Android (android.graphics.Color)	4294571218 (0xFFFF9F4D2)
YUV	241.6190, -15.5882, 6.4731
Hunter-Lab	94.6014, -8.8473, 19.9242

Details

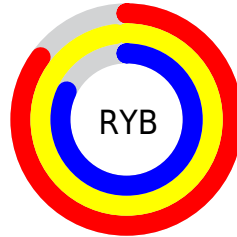
The XYZ color **83.0505, 89.4942, 73.8697** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.9776, 69.1409, 99.3861**, and the grayscale version is **84.2106, 88.5961, 96.4811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6378, 49.5395, 38.1670** is the 20% darker color. If you saturate the color by 10%, you get **79.2361, 86.4492, 58.4656**, and if you desaturate by 10%, it is **87.3690, 92.7734, 91.8254**.

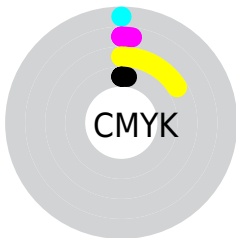
Distribution



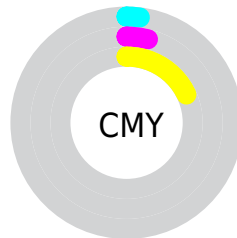
- Red (98%)
- Green (96%)
- Blue (82%)



- Red (85%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (2%)





- Cyan (2%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0505, 89.4942, 73.8697 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 83.0505, 89.4942, 73.8697 by changing the saturation by 10% instead.


 83.0505, 89.4942,
73.8697

 83.0505, 89.4942,
73.8697


493.7362,
526.3841, 493.1749

 62.5489, 67.5612,
54.1913


136.5743,
146.6356, 126.4434

 45.7336, 49.5408,
38.3604


170.3273,
182.6128, 160.1758

 32.2394, 35.0487,
25.9585


209.2280,
224.0402, 199.4298

 21.7009, 23.7004,
16.5671

253.6419,
271.3023, 244.6242

 13.7526, 15.1115,
9.7677

303.9343,
324.7833, 296.1773

 8.0294, 8.8977,
5.1416

360.4706,

 4.1657, 4.6745,

384.8676, 354.5078

2.2704

423.6161,
451.9398, 420.0341

■ 1.7963, 2.0576,
0.7146

■ 0.5154, 0.6406,
0.0000

■ 83.0505, 89.4942,
73.8697

■ 83.0505, 89.4942,
73.8697

■ 79.2361, 86.4492,
58.4656

■ 87.3690, 92.7734,
91.8254

■ 75.8963, 83.6175,
45.4900

■ 91.4225, 95.9703,
108.3134

■ 73.0095, 80.9933,
34.8185

■ 92.4239, 97.9732,
108.6472

■ 70.5494, 78.5659,
26.3131

■ 92.8773, 98.8799,
108.7983

■ 68.4869, 76.3236,
19.8214

■ 66.7892, 74.2531,
15.1709

■ 65.4180, 72.3390,
12.1602

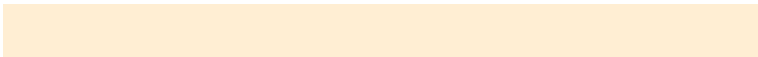
■ 64.3258, 70.5622,
10.5401

■ 63.9082, 69.8218,
10.1086

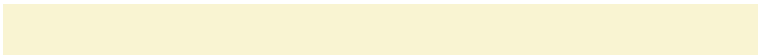
Harmonies

Analogous

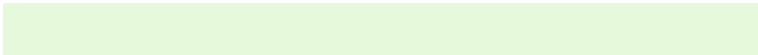
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8367, 89.4942, 74.3290



83.0505, 89.4942, 73.8697



78.9572, 89.4942, 79.2817

Triad

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



83.0505, 89.4942, 73.8697



78.4578, 89.4942, 116.4830



94.1787, 89.4942, 105.5202

Complementary

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



83.0505, 89.4942, 73.8697



67.9776, 69.1409, 99.3861

Split Complementary

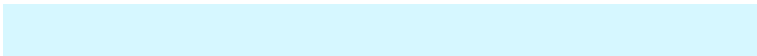
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4727, 89.4942, 118.1876



83.0505, 89.4942, 73.8697



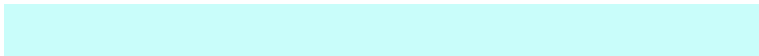
82.3455, 89.4942, 124.9139

Square

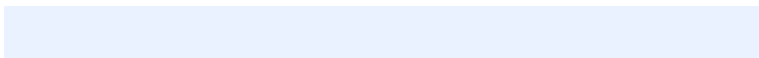
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0505, 89.4942, 73.8697



76.3734, 89.4942, 103.3655



87.1048, 89.4942, 125.5656



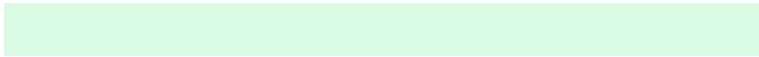
94.3849, 89.4942, 91.7530

Rectangle

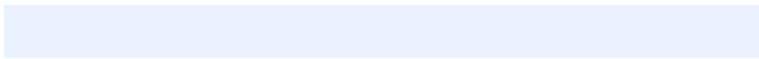
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0505, 89.4942, 73.8697



77.1232, 89.4942, 85.8154



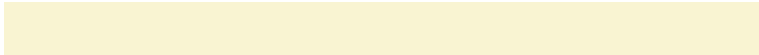
87.1048, 89.4942, 125.5656



93.5267, 89.4942, 110.0783

Sweetspot

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



83.0529, 89.4982, 73.8716



92.5458, 98.1683, 98.2721



74.4061, 71.1508, 74.2379



19.7357, 20.9580, 20.7267



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.



83.0529, 89.4982, 73.8716



86.2597, 93.3674, 72.2188



79.6715, 90.0166, 74.1499



18.5266, 19.7890, 18.3056



34.2827, 37.5220, 5.4356



3.2264, 3.5777, 0.5205

Inverse Universe

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



67.9776, 69.1409, 99.3861



67.3894, 67.8863, 104.1593



70.9802, 68.8293, 99.1677



16.4622, 17.0012, 21.7992



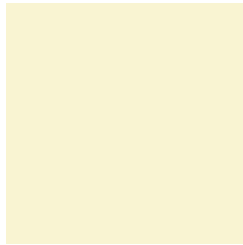
9.4829, 4.3214, 48.3079



0.9328, 0.5092, 4.4923

Previews

White Background



This preview shows how the XYZ color 83.0505, 89.4942, 73.8697 looks on a white background.

Color Contrast Check

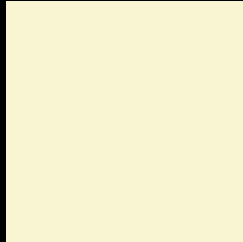
Large Text (above 18pt) WCAG AA × Fail

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 83.0505, 89.4942, 73.8697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

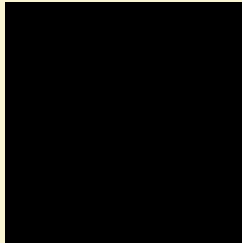
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0505, 89.4942, 73.8697

Background



This preview shows how black text looks on a background with the XYZ color 83.0505, 89.4942, 73.8697.



This preview shows how white text looks on a background with the XYZ color 83.0505, 89.4942,

73.8697.

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

83.0505, 89.4942, 73.8697

Protanopia

84.5008, 89.3677, 73.1176

Deuteranopia

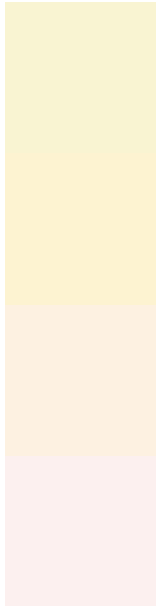
87.1081, 89.4634, 89.7679



Tritanopia

89.4976, 89.4399, 107.1543

Trichromacy



Original Color

83.0505, 89.4942, 73.8697

Protanomaly

84.0672, 89.5873, 73.1829

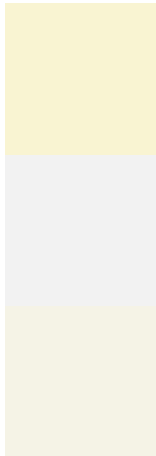
Deuteranomaly

85.5539, 89.2295, 83.9480

Tritanomaly

86.8850, 89.2476, 94.3085

Monochromacy



Original Color

83.0505, 89.4942, 73.8697

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9897, 89.2268, 87.6587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0505, 89.4942, 73.8697 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(249, 244, 210) looks like.

```
.text, #text, p{  
    color:rgb(249, 244, 210)  
}
```

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(249, 244, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 244, 210) }
```

Border

The CSS property to change the border of an element to XYZ 83.0505, 89.4942, 73.8697 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(249, 244, 210) }
```


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

```
.border{ border-color:rgb(249, 244, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 244, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 244, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 244, 210);  
box-shadow:4px 4px 4px 4px rgb(249, 244,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0505, 89.4942, 73.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 244, 210) }
```

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

```
.background{ background-color: rgb(249,  
244, 210) }
```

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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