

Converting Colors

XYZ(87.5175, 93.0148, 70.0447)

Have a look what the booklet for
XYZ(87.5175, 93.0148, 70.0447)
contains.

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Color

**XYZ(85.2803, 92.0933,
69.7810)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7CB
RGB	255, 247, 203
RGB Percent	100%, 97%, 80%
CMY	0.0000, 0.0313, 0.2039
CMYK	0.00, 0.03, 0.20, 0.00
HSL	51°, 100%, 90%
HSV	51°, 20%, 100%
XYZ	85.2803, 92.0933, 69.7810
YIQ	244.3760, 18.8920, -11.9880

Conversions

Conversions Part 2

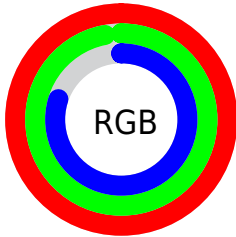
Format	Color
RYB	212, 255, 203
Decimal	16775115
CIELab	96.86, -4.21, 22.15
CIELCh	97, 22.546, 100.755
Yxy	92.0933, 0.3450, 0.3726
Android (android.graphics.Color)	4294965195 (0xFFFFF7CB)
YUV	244.3760, -20.3984, 9.3172
Hunter-Lab	95.9653, -9.3137, 24.0630

Details

The XYZ color **85.2803, 92.0933, 69.7810** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9724, 66.5033, 103.9670**, and the grayscale version is **86.4398, 90.9414, 99.0352**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3443, 51.4373, 35.8668** is the 20% darker color. If you saturate the color by 10%, you get **81.3023, 88.6071, 54.6757**, and if you desaturate by 10%, it is **89.7876, 95.8378, 87.5310**.

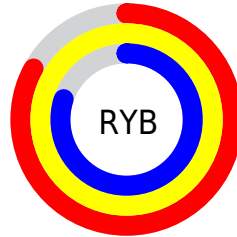
Distribution



Red (100%)

Green (97%)

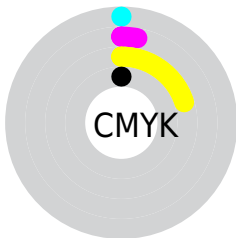
Blue (80%)



Red (83%)

Yellow (100%)

Blue (80%)

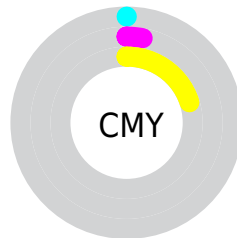


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.2803, 92.0933, 69.7810 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 85.2803, 92.0933, 69.7810 by changing the saturation by 10% instead.


 85.2803, 92.0933,
69.7810

 85.2803, 92.0933,
69.7810


501.0248,
534.8170, 478.5490

 64.3963, 69.7181,
50.8723


139.6767,
150.2427, 120.5746

 47.2346, 51.2968,
35.7310


173.9199,
186.7857, 153.2966

 33.4299, 36.4448,
23.9385


213.3467,
228.8201, 191.4600

 22.6168, 24.7780,
15.0762

258.3227,
276.7303, 235.4836

 14.4299, 15.9117,
8.7257

309.2132,
330.9007, 285.7857

 8.5040, 9.4617,
4.4683

366.3834,

 4.4736, 5.0435,

391.7157, 342.7850

1.8856

430.1989,
459.5597, 406.8999

■ 1.9734, 2.2728,
0.4836

■ 0.6190, 0.7593,
0.0000

■ 85.2803, 92.0933,
69.7810

■ 85.2803, 92.0933,
69.7810

■ 81.3023, 88.6071,
54.6757

■ 89.7876, 95.8378,
87.5310

■ 77.8228, 85.3573,
42.0806

94.8408, 99.8381,
108.0398

■ 74.8171, 82.3368,
31.8583

95.0500, 100.0000,
108.9000

■ 72.2562, 79.5339,
23.8557

■ 70.1074, 76.9351,
17.9020

■ 68.3333, 74.5253,
13.8011

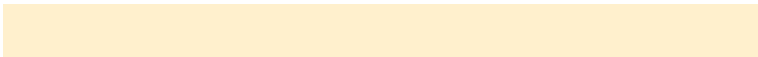
■ 66.8893, 72.2865,
11.3190

■ 65.7442, 70.2685,
10.0981

Harmonies

Analogous

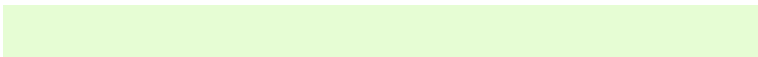
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6049, 92.0933, 70.8349



85.2803, 92.0933, 69.7810



79.8246, 92.0933, 76.1205

Triad

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



85.2803, 92.0933, 69.7810



78.6326, 92.0933, 124.7931



99.5324, 92.0933, 112.2066

Complementary

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



85.2803, 92.0933, 69.7810



65.9724, 66.5033, 103.9670

Split Complementary

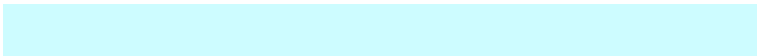
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7200, 92.0933, 129.0621



85.2803, 92.0933, 69.7810



83.5815, 92.0933, 136.9126

Square

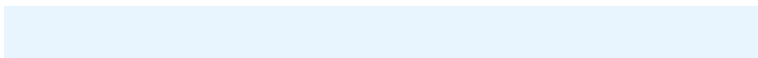
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2803, 92.0933, 69.7810



76.1114, 92.0933, 106.9202



89.8228, 92.0933, 138.5627



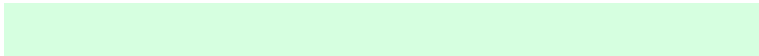
100.0413, 92.0933, 93.9090

Rectangle

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



85.2803, 92.0933, 69.7810



77.3363, 92.0933, 84.1915



89.8228, 92.0933, 138.5627



98.5864, 92.0933, 118.2842

Sweetspot

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



85.2824, 92.0973, 69.7829



91.9379, 97.5619, 96.1903



74.4383, 68.7096, 71.4073



19.6086, 20.8267, 20.3057



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

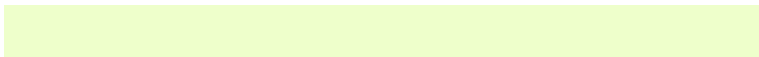
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2824, 92.0973, 69.7829



83.7868, 90.8094, 64.0332



81.6881, 93.9515, 70.3303



19.3094, 20.5869, 19.1003



34.4425, 36.8962, 5.3064



3.4150, 3.7153, 0.5371

Inverse Universe

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



65.9724, 66.5033, 103.9670



61.6520, 61.4733, 103.2239



69.0231, 65.2008, 103.5548



17.2284, 17.8284, 22.7831



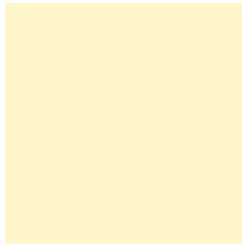
9.8808, 4.6711, 49.8154



1.0247, 0.5801, 4.8712

Previews

White Background



This preview shows how the XYZ color 85.2803, 92.0933, 69.7810 looks on a white background.

Color Contrast Check

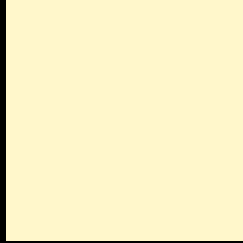
Large Text (above 18pt) WCAG AA × Fail

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 85.2803, 92.0933, 69.7810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

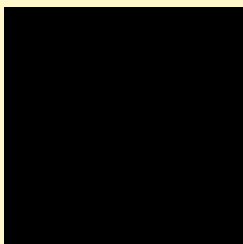
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.2803, 92.0933, 69.7810

Background



This preview shows how black text looks on a background with the XYZ color 85.2803, 92.0933, 69.7810.



This preview shows how white text looks on a background with the XYZ color 85.2803, 92.0933,

69.7810.

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

85.2803, 92.0933, 69.7810

Protanopia

87.1140, 92.3388, 80.9419

Deuteranopia

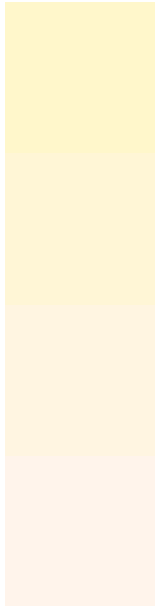
89.0233, 92.1344, 93.9806



Tritanopia

90.7218, 91.8561, 105.8770

Trichromacy



Original Color

85.2803, 92.0933, 69.7810

Protanomaly

86.3334, 92.0266, 76.8310

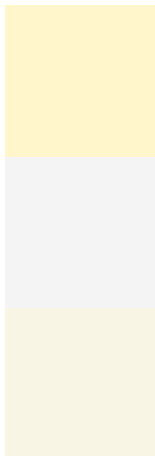
Deuteranomaly

87.4830, 92.0011, 84.3813

Tritanomaly

88.5861, 91.9595, 91.6782

Monochromacy



Original Color

85.2803, 92.0933, 69.7810

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5067, 90.9184, 87.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2803, 92.0933, 69.7810 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, 247, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 203)  
}
```

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, 247, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 203) }
```

Border

The CSS property to change the border of an element to XYZ 85.2803, 92.0933, 69.7810 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, 247, 203) }
```


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

```
.border{ border-color:rgb(255, 247, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2803, 92.0933, 69.7810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 203) }
```

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

```
.background{ background-color: rgb(255,  
247, 203) }
```

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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