

Converting Colors

XYZ(85.7810, 92.4602, 83.5169)

Have a look what the booklet for
XYZ(85.7810, 92.4602, 83.5169)
contains.

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Color

**XYZ(85.7333, 92.4731,
83.8515)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F8E0
RGB	248, 248, 224
RGB Percent	97%, 97%, 88%
CMY	0.0274, 0.0274, 0.1216
CMYK	0.00, 0.00, 0.10, 0.03
HSL	60°, 63%, 93%
HSV	60°, 10%, 97%
XYZ	85.7333, 92.4731, 83.8515
YIQ	245.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

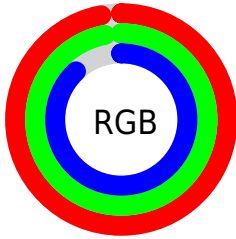
Format	Color
R_{YB}	224, 248, 224
Decimal	16316640
CIE _{Lab}	97.01, -4.02, 11.53
CIE _{LCh}	97, 12.211, 109.235
Yxy	92.4731, 0.3272, 0.3529
Android (android.graphics.Color)	4294506720 (0xFFFF8F8E0)
YUV	245.2640, -10.4832, 2.3995
Hunter-Lab	96.1629, -9.1449, 15.6148

Details

The XYZ color **85.7333, 92.4731, 83.8515** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3431, 75.9385, 99.5513**, and the grayscale version is **87.0831, 91.6182, 99.7722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7493, 51.7703, 45.0121** is the 20% darker color. If you saturate the color by 10%, you get **82.6113, 91.2271, 67.4100**, and if you desaturate by 10%, it is **89.3510, 93.9235, 102.8809**.

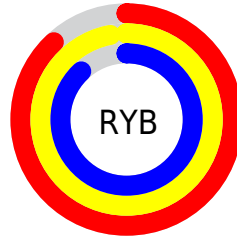
Distribution



Red (97%)

Green (97%)

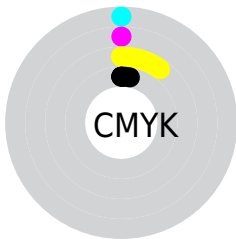
Blue (88%)



Red (88%)

Yellow (97%)

Blue (88%)

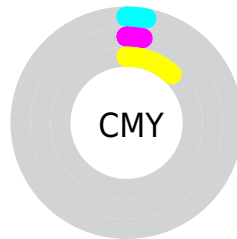


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (3%)



Cyan (3%)


Magenta (3%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.7333, 92.4731, 83.8515 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 85.7333, 92.4731, 83.8515 by changing the saturation by 10% instead.


 85.7333, 92.4731,
83.8515

 85.7333, 92.4731,
83.8515


502.4986,
536.0433, 527.8651

 64.7720, 70.0336,
62.3482


140.3060,
150.7689, 140.6273

 47.5402, 51.5540,
44.8765

174.6481,
187.3941, 176.7368

 33.6727, 36.6497,
31.0179


214.1812,
229.5166, 218.5522

 22.8039, 24.9364,
20.3539

259.2706,
277.5209, 266.4919

 14.5687, 16.0296,
12.4659

310.2817,
331.7913, 320.9745

 8.6016, 9.5451,
6.9355

367.5798,

 4.5373, 5.0984,

392.7122, 382.4186

3.3439

431.5303,
460.6681, 451.2426

■ 2.0103, 2.3051,
1.2728

■ 0.6398, 0.7764,
0.0394

■ 85.7333, 92.4731,
83.8515

■ 85.7333, 92.4731,
83.8515

■ 82.6113, 91.2271,
67.4100

■ 89.3510, 93.9235,
102.8809

■ 79.9562, 90.1649,
53.4389

■ 90.3349, 94.3172,
108.0516


■ 77.7480, 89.2814,
41.8209


■ 90.3368, 94.3182,
108.0517


■ 75.9621, 88.5668,
32.4264


■ 90.3388, 94.3192,
108.0518


 74.5715, 88.0103,
25.1136


 90.3407, 94.3202,
108.0519


 73.5462, 87.5999,
19.7244


 90.3427, 94.3212,
108.0520

 72.8518, 87.3219,
16.0779

 90.3446, 94.3222,
108.0521

 72.4475, 87.1600,
13.9590

 90.3466, 94.3232,
108.0522

 72.2679, 87.0880,
13.0236

 90.3485, 94.3242,
108.0523

Harmonies

Analogous

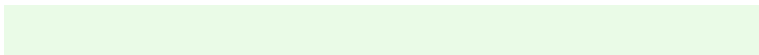
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1332, 92.4731, 83.2126



85.7333, 92.4731, 83.8515



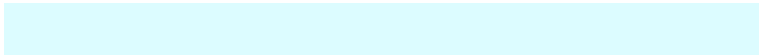
82.9812, 92.4731, 88.8263

Triad

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



85.7333, 92.4731, 83.8515



83.6474, 92.4731, 115.7159



94.5474, 92.4731, 104.2645

Complementary

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



85.7333, 92.4731, 83.8515



74.3431, 75.9385, 99.5513

Split Complementary

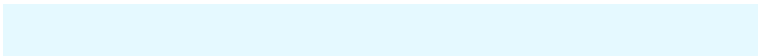
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9947, 92.4731, 113.5601



85.7333, 92.4731, 83.8515



86.6642, 92.4731, 120.4522

Square

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



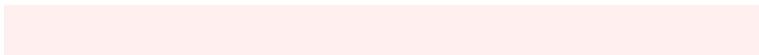
85.7333, 92.4731, 83.8515



81.7988, 92.4731, 107.0534



90.0885, 92.4731, 119.6385



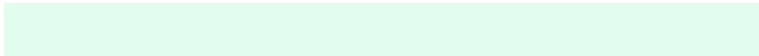
94.2824, 92.4731, 94.5790

Rectangle

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



85.7333, 92.4731, 83.8515



81.8564, 92.4731, 94.1245



90.0885, 92.4731, 119.6385



94.2192, 92.4731, 107.5487

Sweetspot

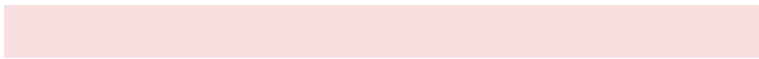
The Sweet Spot groups the original color and five complimentary colors.



85.7358, 92.4771, 83.8535



93.8420, 99.5167, 102.5418



78.8246, 78.6519, 81.5492



20.0187, 21.2737, 21.5937



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.



85.7358, 92.4771, 83.8535



90.5064, 98.1823, 84.9866



81.6175, 90.3541, 83.6608



18.7271, 20.1906, 18.3725



39.0347, 47.0414, 7.0226



3.6154, 4.3569, 0.6504

Inverse Universe

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



74.3431, 75.9385, 99.5513



75.6800, 76.6589, 105.4156



78.1938, 77.9236, 99.7315



16.2835, 16.6432, 21.7395



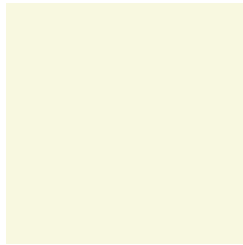
9.1533, 3.6614, 48.1978



0.8479, 0.3392, 4.4640

Previews

White Background



This preview shows how the XYZ color 85.7333, 92.4731, 83.8515 looks on a white background.

Color Contrast Check

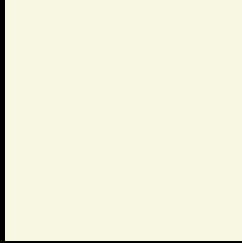
Large Text (above 18pt) WCAG AA × Fail

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 85.7333, 92.4731, 83.8515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

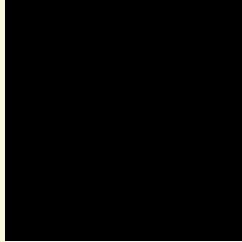
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7333, 92.4731, 83.8515

Background



This preview shows how black text looks on a background with the XYZ color 85.7333, 92.4731, 83.8515.

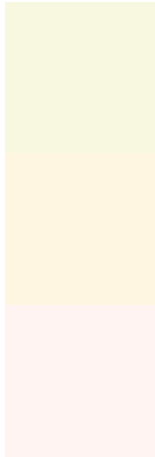


This preview shows how white text looks on a background with the XYZ color 85.7333, 92.4731,

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

85.7333, 92.4731, 83.8515

Protanopia

87.9232, 92.6625, 85.2031

Deuteranopia

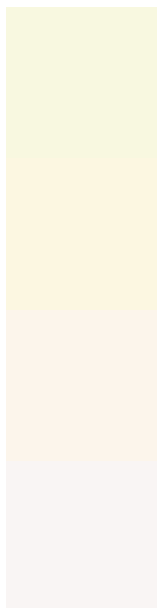
89.4679, 92.3122, 96.3217



Tritanopia

89.8250, 92.2454, 107.6786

Trichromacy



Original Color

85.7333, 92.4731, 83.8515

Protanomaly

86.9963, 92.6532, 84.5328

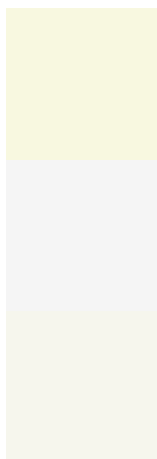
Deuteranomaly

87.7927, 91.9984, 91.7276

Tritanomaly

88.0485, 91.9762, 98.7005

Monochromacy



Original Color

85.7333, 92.4731, 83.8515

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.2479, 91.6188, 93.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7333, 92.4731, 83.8515 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(248, 248, 224) looks like.

```
.text, #text, p{  
    color:rgb(248, 248, 224)  
}
```

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(248, 248, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 248, 224) }
```

Border

The CSS property to change the border of an element to XYZ 85.7333, 92.4731, 83.8515 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(248, 248, 224) }
```


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

```
.border{ border-color:rgb(248, 248, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 248, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 248, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 248, 224);  
box-shadow:4px 4px 4px 4px rgb(248, 248,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7333, 92.4731, 83.8515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 248, 224) }
```

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

```
.background{ background-color: rgb(248,  
248, 224) }
```

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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