

Converting Colors

XYZ(84.7175, 90.8211, 82.8521)

Have a look what the booklet for
XYZ(84.7175, 90.8211, 82.8521)
contains.

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Color

**XYZ(84.6831, 90.5890,
82.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F5DF
RGB	248, 245, 223
RGB Percent	97%, 96%, 87%
CMY	0.0274, 0.0392, 0.1255
CMYK	0.00, 0.01, 0.10, 0.03
HSL	53°, 64%, 92%
HSV	53°, 10%, 97%
XYZ	84.6831, 90.5890, 82.8342
YIQ	243.3890, 8.8500, -6.2060

Conversions

Conversions Part 2

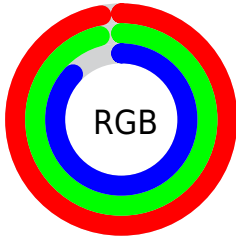
Format	Color
R_{YB}	226, 248, 223
Decimal	16315871
CIE _{Lab}	96.24, -2.67, 10.94
CIE _{LCh}	96, 11.263, 103.727
Yxy	90.5890, 0.3281, 0.3510
Android (android.graphics.Color)	4294505951 (0xFFFF8F5DF)
YUV	243.3890, -10.0518, 4.0438
Hunter-Lab	95.1783, -7.7449, 15.0243

Details

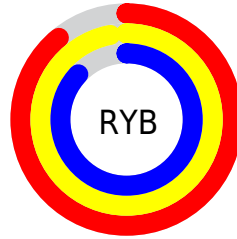
The XYZ color **84.6831, 90.5890, 82.8342** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5710, 76.8567, 99.7123**, and the grayscale version is **85.5760, 90.0326, 98.0455**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0037, 50.4288, 44.3022** is the 20% darker color. If you saturate the color by 10%, you get **80.6907, 87.5682, 66.1977**, and if you desaturate by 10%, it is **89.1848, 93.8425, 102.0588**.

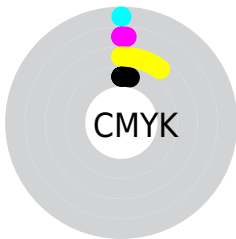
Distribution



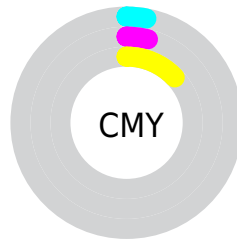
- Red (97%)
- Green (96%)
- Blue (87%)



- Red (89%)
- Yellow (97%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (3%)



- Cyan (3%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6831, 90.5890, 82.8342 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 84.6831, 90.5890, 82.8342 by changing the saturation by 10% instead.

84.6831, 90.5890,
82.8342

84.6831, 90.5890,
82.8342

499.0784,
529.9450, 524.3903

63.9012, 68.4693,
61.5136

138.8466,
148.1563, 139.1904

46.8320, 50.2796,
44.2065

172.9590,
184.3726, 175.0630

33.1103, 35.6356,
30.4945

212.2455,
226.0566, 216.6234

22.3706, 24.1529,
19.9590

257.0716,
273.5926, 264.2900

14.2476, 15.4471,
12.1815

307.8025,
327.3650, 318.4815

8.3759, 9.1338,
6.7434

364.8038,

4.3902, 4.8285,

387.7583, 379.6164

3.2261

428.4406,
455.1568, 448.1131

■ 1.9252, 2.1470,
1.2112

■ 0.5914, 0.6909,
0.0000

■ 84.6831, 90.5890,
82.8342

■ 84.6831, 90.5890,
82.8342

■ 80.6907, 87.5682,
66.1977

■ 89.1848, 93.8425,
102.0588

■ 77.1787, 84.7597,
52.0318

■ 91.2428, 96.1388,
108.3554

■ 74.1270, 82.1581,
40.2185

■ 92.1781, 98.0092,
108.6671

■ 71.5106, 79.7535,
30.6280

■ 92.5218, 98.6967,
108.7817

■ 69.3026, 77.5349,
23.1178

■ 67.4727, 75.4900,
17.5290

■ 65.9863, 73.6050,
13.6796

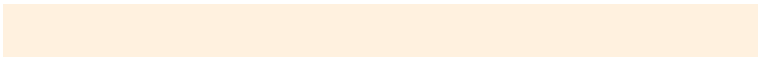
■ 64.8020, 71.8632,
11.3528

■ 63.8583, 70.2498,
10.1939

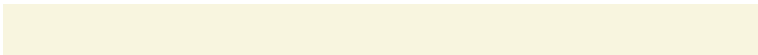
Harmonies

Analogous

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



87.7982, 90.5890, 83.0107



84.6831, 90.5890, 82.8342



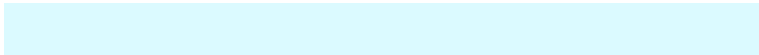
82.0121, 90.5890, 86.7069

Triad

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



84.6831, 90.5890, 82.8342



81.8293, 90.5890, 111.0253



92.0045, 90.5890, 103.5411

Complementary

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



84.6831, 90.5890, 82.8342



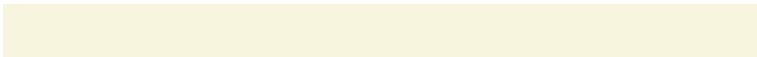
74.5710, 76.8567, 99.7123

Split Complementary

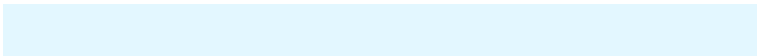
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3259, 90.5890, 111.6120



84.6831, 90.5890, 82.8342



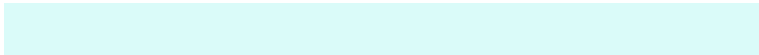
84.4280, 90.5890, 116.1086

Square

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



84.6831, 90.5890, 82.8342



80.3917, 90.5890, 102.7792



87.5369, 90.5890, 116.3296



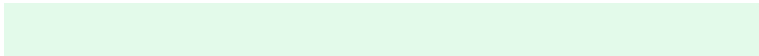
92.0768, 90.5890, 94.6057

Rectangle

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



84.6831, 90.5890, 82.8342



80.8218, 90.5890, 91.2074



87.5369, 90.5890, 116.3296



91.6076, 90.5890, 106.4574

Sweetspot

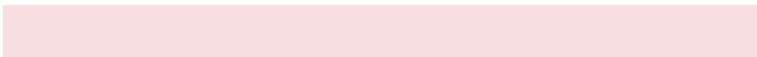
The Sweet Spot groups the original color and five complimentary colors.



84.6856, 90.5930, 82.8361



93.5509, 98.9337, 102.4446



78.8735, 78.2424, 83.1380



19.9398, 21.1157, 21.5674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

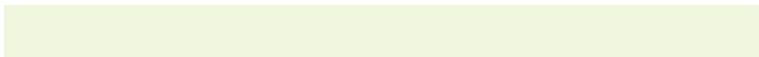
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6856, 90.5930, 82.8361



89.3505, 95.8668, 84.6006



82.4281, 90.7853, 82.9922



18.5395, 19.8148, 18.3099



34.5650, 38.0867, 5.5297



3.2498, 3.6245, 0.5283

Inverse Universe

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



74.5710, 76.8567, 99.7123



76.6762, 78.6544, 105.7483



76.6650, 76.7377, 99.5790



16.4505, 16.9778, 21.7953



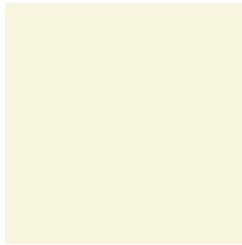
9.4514, 4.2584, 48.2974



0.9273, 0.4982, 4.4905

Previews

White Background



This preview shows how the XYZ color 84.6831, 90.5890, 82.8342 looks on a white background.

Color Contrast Check

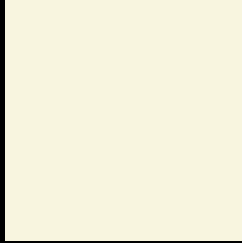
Large Text (above 18pt) WCAG AA × Fail

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 84.6831, 90.5890, 82.8342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

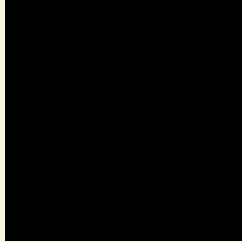
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6831, 90.5890, 82.8342

Background



This preview shows how black text looks on a background with the XYZ color 84.6831, 90.5890, 82.8342.

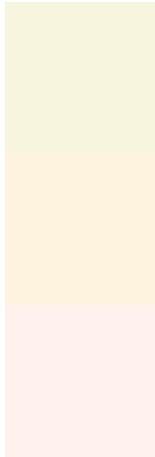


This preview shows how white text looks on a background with the XYZ color 84.6831, 90.5890,

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

84.6831, 90.5890, 82.8342

Protanopia

86.1085, 90.4459, 82.0267

Deuteranopia

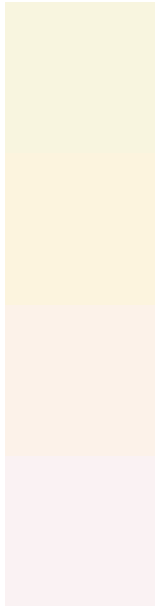
88.1279, 90.3436, 93.6821



Tritanopia

89.2890, 90.6398, 107.3969

Trichromacy



Original Color

84.6831, 90.5890, 82.8342

Protanomaly

85.6804, 90.6707, 82.0926

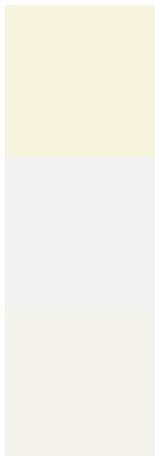
Deuteranomaly

86.6050, 90.0829, 89.9140

Tritanomaly

87.3541, 90.2993, 97.6195

Monochromacy



Original Color

84.6831, 90.5890, 82.8342

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.1472, 90.1700, 92.2737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6831, 90.5890, 82.8342 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, 245, 223) looks like.

```
.text, #text, p{  
    color:rgb(248, 245, 223)  
}
```

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, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 245, 223) }
```

Border

The CSS property to change the border of an element to XYZ 84.6831, 90.5890, 82.8342 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, 245, 223) }
```


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

```
.border{ border-color:rgb(248, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(248, 245,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6831, 90.5890, 82.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 245, 223) }
```

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

```
.background{ background-color: rgb(248,  
245, 223) }
```

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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