

Converting Colors

XYZ(86.8859, 93.6295, 88.4571)

Have a look what the booklet for
XYZ(86.8859, 93.6295, 88.4571)
contains.

XYZ(86.8700, 93.4210, 88.3164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.8700, 93.4210,
88.3164)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F9E6
RGB	248, 249, 230
RGB Percent	97%, 98%, 90%
CMY	0.0274, 0.0235, 0.0980
CMYK	0.00, 0.00, 0.08, 0.02
HSL	63°, 61%, 94%
HSV	63°, 8%, 98%
XYZ	86.8700, 93.4210, 88.3164
YIQ	246.5350, 5.5030, -6.1210

Conversions

Conversions Part 2

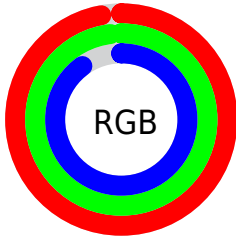
Format	Color
R _Y B	230, 249, 231
Decimal	16316902
CIE Lab	97.40, -3.56, 8.99
CIE LCh	97, 9.672, 111.570
Yxy	93.4210, 0.3234, 0.3478
Android (android.graphics.Color)	4294506982 (0xFFFF8F9E6)
YUV	246.5350, -8.1518, 1.2848
Hunter-Lab	96.6545, -8.7154, 13.4830

Details

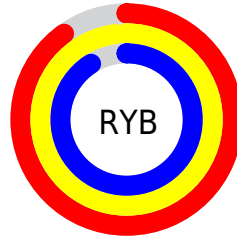
The XYZ color **86.8700, 93.4210, 88.3164** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.3543, 80.4246, 101.0213**, and the grayscale version is **88.0937, 92.6814, 100.9301**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5461, 52.4415, 48.1210** is the 20% darker color. If you saturate the color by 10%, you get **83.1558, 91.8846, 71.1744**, and if you desaturate by 10%, it is **91.0922, 95.1670, 108.0934**.

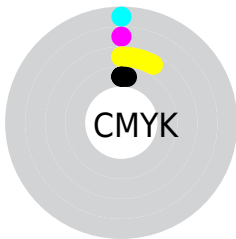
Distribution



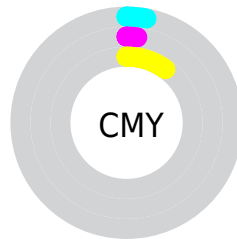
- Red (97%)
- Green (98%)
- Blue (90%)



- Red (90%)
- Yellow (98%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)



- Cyan (3%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8700, 93.4210, 88.3164 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 86.8700, 93.4210, 88.3164 by changing the saturation by 10% instead.

86.8700, 93.4210,
88.3164

86.8700, 93.4210,
88.3164

506.1866,
539.0975, 542.9670

65.7153, 70.8215,
66.0193

141.8835,
152.0813, 146.9126

48.3082, 52.1965,
47.8315

176.4731,
188.9109, 184.0488

34.2833, 37.1617,
33.3344

216.2716,
231.2527, 226.9684

23.2752, 25.3327,
22.1095

261.6445,
279.4910, 276.0900

14.9187, 16.3251,
13.7383

312.9570,
334.0102, 331.8321

8.8483, 9.7545,
7.8022

370.5747,

4.6987, 5.2365,

395.1948, 394.6133

3.8827

434.8627,
463.4291, 464.8520

■ 2.1045, 2.3867,
1.5612

■ 0.6917, 0.8190,
0.2629

■ 86.8700, 93.4210,
88.3164

■ 86.8700, 93.4210,
88.3164

■ 83.1558, 91.8846,
71.1744

■ 91.0922, 95.1670,
108.0934

■ 79.9209, 90.5373,
56.5504

■ 91.5797, 95.4165,
108.1982

■ 77.1452, 89.3740,
44.3275

■ 92.0547, 95.6614,
108.2204

■ 74.8043, 88.3851,
34.3773

■ 92.5331, 95.9081,
108.2428

■ 72.8716, 87.5597,
26.5594

■ 93.0148, 96.1564,
108.2654

■ 71.3173, 86.8862,
20.7177

■ 93.1676, 96.2351,
108.2725

■ 70.1079, 86.3510,
16.6750

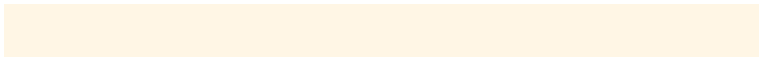
■ 69.2037, 85.9382,
14.2226

■ 68.5522, 85.6268,
13.0839

Harmonies

Analogous

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



89.5688, 93.4210, 87.5051



86.8700, 93.4210, 88.3164



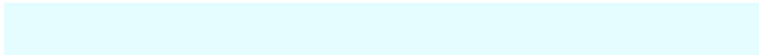
84.7282, 93.4210, 92.6219

Triad

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



86.8700, 93.4210, 88.3164



85.5576, 93.4210, 114.0099



94.1109, 93.4210, 103.9488

Complementary

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



86.8700, 93.4210, 88.3164



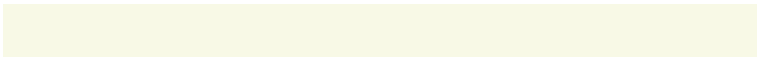
78.3543, 80.4246, 101.0213

Split Complementary

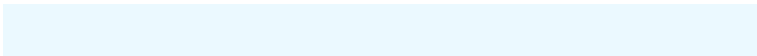
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9875, 93.4210, 111.3943



86.8700, 93.4210, 88.3164



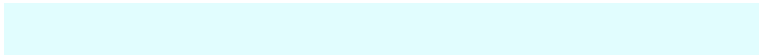
88.0234, 93.4210, 117.3956

Square

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



86.8700, 93.4210, 88.3164



83.9814, 93.4210, 107.3712



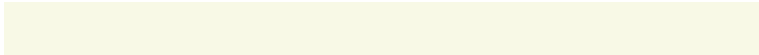
90.7459, 93.4210, 116.4146



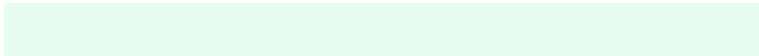
93.7867, 93.4210, 96.2699

Rectangle

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



86.8700, 93.4210, 88.3164



83.8863, 93.4210, 97.0212



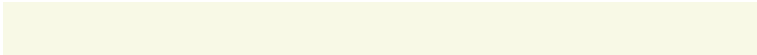
90.7459, 93.4210, 116.4146



93.8892, 93.4210, 106.5672

Sweetspot

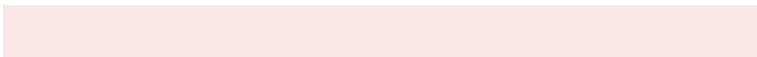
The Sweet Spot groups the original color and five complimentary colors.



86.8726, 93.4251, 88.3184



94.1405, 99.6247, 104.6281



81.9148, 82.9791, 86.5634



20.1595, 21.3277, 22.4394



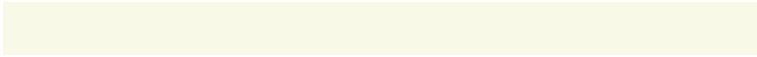
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



86.8726, 93.4251, 88.3184



91.1275, 98.3796, 90.5674



83.6069, 91.7415, 88.1656



18.6314, 20.1413, 18.3681



36.6594, 45.8169, 6.9114



3.4223, 4.2573, 0.6414

Inverse Universe

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



78.3543, 80.4246, 101.0213



80.6111, 82.3294, 106.2502



81.4867, 82.0394, 101.1679



16.3679, 16.6868, 21.7435



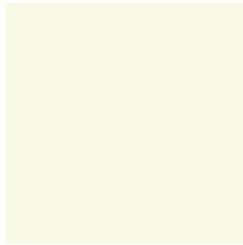
9.2777, 3.7255, 48.2037



0.8882, 0.3600, 4.4658

Previews

White Background



This preview shows how the XYZ color 86.8700, 93.4210, 88.3164 looks on a white background.

Color Contrast Check

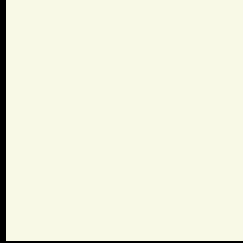
Large Text (above 18pt) WCAG AA × Fail

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 86.8700, 93.4210, 88.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

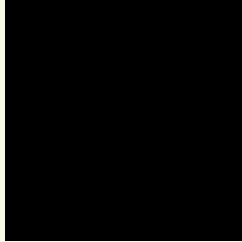
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

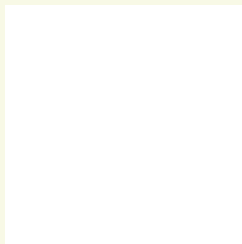
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8700, 93.4210, 88.3164

Background



This preview shows how black text looks on a background with the XYZ color 86.8700, 93.4210, 88.3164.

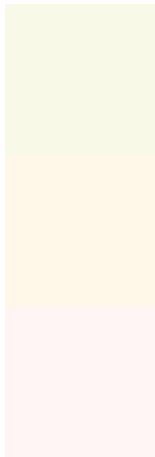


This preview shows how white text looks on a background with the XYZ color 86.8700, 93.4210,

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

86.8700, 93.4210, 88.3164

Protanopia

88.9246, 93.5511, 88.9716

Deuteranopia

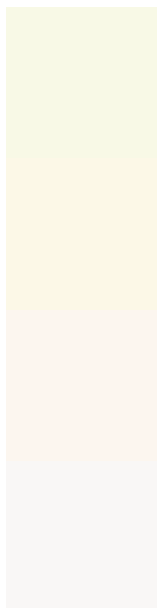
90.2215, 93.0965, 98.8022



Tritanopia

90.4301, 93.4555, 107.8803

Trichromacy



Original Color

86.8700, 93.4210, 88.3164

Protanomaly

88.1361, 93.5998, 89.0226

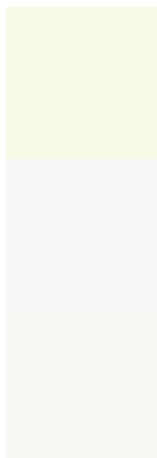
Deuteranomaly

88.6806, 92.8390, 94.9071

Tritanomaly

88.9622, 93.3151, 100.5116

Monochromacy



Original Color

86.8700, 93.4210, 88.3164

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.8024, 93.2598, 96.5924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8700, 93.4210, 88.3164 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, 249, 230) looks like.

```
.text, #text, p{  
    color:rgb(248, 249, 230)  
}
```

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, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 249, 230) }
```

Border

The CSS property to change the border of an element to XYZ 86.8700, 93.4210, 88.3164 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, 249, 230) }
```


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

```
.border{ border-color:rgb(248, 249, 230) }
```

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

Here you see how a box with a 4 pixel rgb(248, 249, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(248, 249,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8700, 93.4210, 88.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 249, 230) }
```

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

```
.background{ background-color: rgb(248,  
249, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor