

Converting Colors

XYZ(108.8093, 100.0000,
72.0480)

Have a look what the booklet for
XYZ(108.8093, 100.0000, 72.0480)
contains.

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Color

**XYZ(82.9551, 86.8653,
70.7870)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEECE
RGB	255, 238, 206
RGB Percent	100%, 93%, 81%
CMY	0.0000, 0.0666, 0.1921
CMYK	0.00, 0.07, 0.19, 0.00
HSL	39°, 100%, 90%
HSV	39°, 19%, 100%
XYZ	82.9551, 86.8653, 70.7870
YIQ	239.4350, 20.4040, -6.3480

Conversions

Conversions Part 2

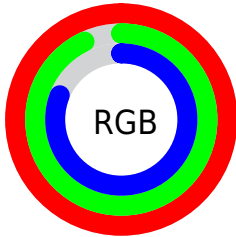
Format	Color
RYB	232, 255, 206
Decimal	16772814
CIELab	94.68, 0.75, 17.57
CIELCh	95, 17.587, 87.542
Yxy	86.8653, 0.3448, 0.3610
Android (android.graphics.Color)	4294962894 (0xFFFFEECE)
YUV	239.4350, -16.4835, 13.6505
Hunter-Lab	93.2016, -4.2268, 20.2101

Details

The XYZ color **82.9551, 86.8653, 70.7870** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.8906, 73.1151, 105.0367**, and the grayscale version is **82.4982, 86.7946, 94.5193**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6841, 47.7287, 36.5105** is the 20% darker color. If you saturate the color by 10%, you get **77.5937, 80.7043, 54.9364**, and if you desaturate by 10%, it is **88.9498, 93.4879, 89.3303**.

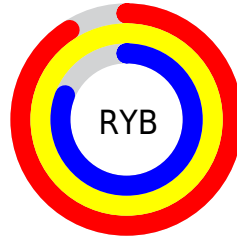
Distribution



Red (100%)

Green (93%)

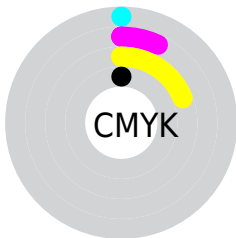
Blue (81%)



Red (91%)

Yellow (100%)

Blue (81%)

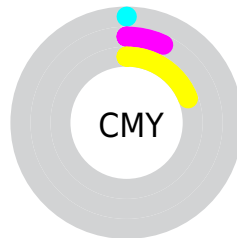


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9551, 86.8653, 70.7870 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 82.9551, 86.8653, 70.7870 by changing the saturation by 10% instead.


 82.9551, 86.8653,
70.7870

 82.9551, 86.8653,
70.7870


493.4231,
517.7801, 482.1721

 62.4699, 65.3837,
51.6876


136.4414,
142.9764, 122.0220

 45.6695, 47.7723,
36.3756


170.1733,
178.3747, 154.9947

 32.1886, 33.6466,
24.4324


209.0513,
219.1807, 193.4290

 21.6619, 22.6222,
15.4396

253.4410,
265.7788, 237.7433

 13.7239, 14.3148,
8.9784

303.7077,
318.5534, 288.3562

 8.0093, 8.3400,
4.6305

360.2167,

 4.1527, 4.3132,

377.8889, 345.6863

1.9772

423.3334,
444.1697, 410.1521

■ 1.7889, 1.8503,
0.5412

■ 0.5110, 0.5182,
0.0000

■ 82.9551, 86.8653,
70.7870

■ 82.9551, 86.8653,
70.7870

■ 77.5937, 80.7043,
54.9364

■ 88.9498, 93.4879,
89.3303

■ 72.8334, 74.9803,
41.6451

95.0500, 100.0000,
108.9000

■ 68.6482, 69.6829,
30.7762

■ 65.0075, 64.7970,
22.1780

■ 61.8775, 60.3058,
15.6813

■ 59.2195, 56.1908,
11.0931

■ 56.9883, 52.4307,
8.1841

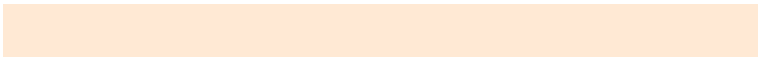
■ 55.1163, 48.9951,
6.6095

■ 54.9782, 48.7365,
6.5094

Harmonies

Analogous

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



87.5609, 86.8653, 74.1877



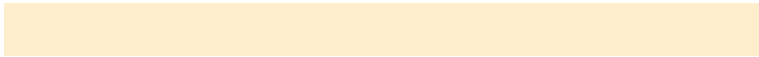
82.9551, 86.8653, 70.7870



78.4123, 86.8653, 73.2378

Triad

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



82.9551, 86.8653, 70.7870



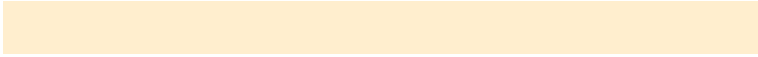
74.7284, 86.8653, 107.1960



90.5096, 86.8653, 109.3216

Complementary

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



82.9551, 86.8653, 70.7870



69.8906, 73.1151, 105.0367

Split Complementary

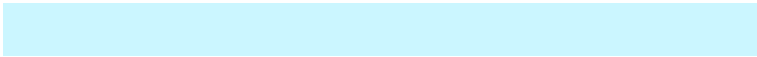
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8574, 86.8653, 119.7148



82.9551, 86.8653, 70.7870



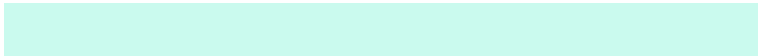
77.7587, 86.8653, 118.4072

Square

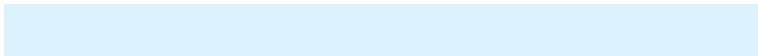
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9551, 86.8653, 70.7870



73.7722, 86.8653, 93.4644



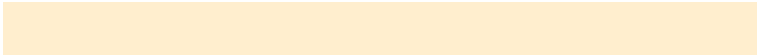
82.1719, 86.8653, 123.1874



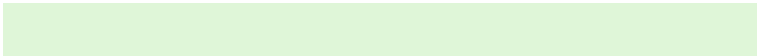
92.0255, 86.8653, 95.7076

Rectangle

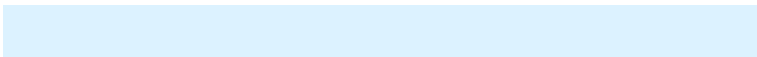
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9551, 86.8653, 70.7870



76.0079, 86.8653, 78.0042



82.1719, 86.8653, 123.1874



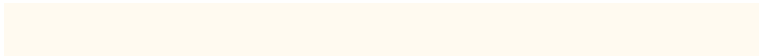
89.4843, 86.8653, 113.3554

Sweetspot

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



82.9572, 86.8691, 70.7888



91.0141, 95.7144, 95.8824



76.6515, 70.7394, 79.5331



19.3898, 20.3892, 20.2328



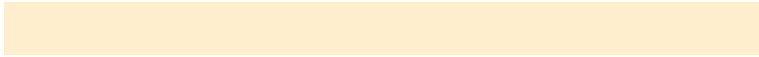
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



82.9572, 86.8691, 70.7888



80.8544, 84.4829, 64.4790



85.4883, 95.8689, 72.3926



18.9998, 19.9678, 18.9971



28.8723, 25.7558, 3.4496



2.9134, 2.7121, 0.3699

Inverse Universe

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



69.8906, 73.1151, 105.0367



65.6394, 68.4694, 104.3641



67.6644, 65.5623, 103.6962



17.5182, 18.4079, 22.8797



11.3991, 7.7077, 50.3215



1.2073, 0.9454, 4.9321

Previews

White Background



This preview shows how the XYZ color 82.9551, 86.8653, 70.7870 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 82.9551, 86.8653, 70.7870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

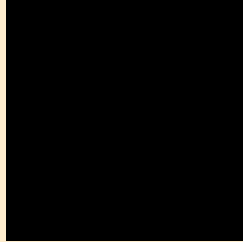
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.9551, 86.8653, 70.7870

Background



This preview shows how black text looks on a background with the XYZ color 82.9551, 86.8653, 70.7870.



This preview shows how white text looks on a background with the XYZ color 82.9551, 86.8653,

70.7870.

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

82.9551, 86.8653, 70.7870

Protanopia

82.2739, 86.9334, 71.4750

Deuteranopia

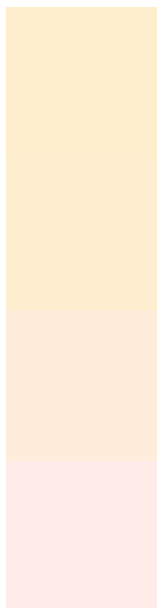
85.1006, 86.7970, 84.9413



Tritanopia

87.4513, 86.8210, 100.1446

Trichromacy



Original Color

82.9551, 86.8653, 70.7870

Protanomaly

82.6370, 87.1206, 71.4920

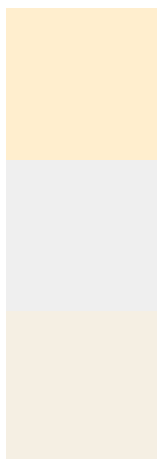
Deuteranomaly

84.3104, 86.9428, 79.3558

Tritanomaly

85.5138, 86.5029, 88.5336

Monochromacy



Original Color

82.9551, 86.8653, 70.7870

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.3878, 86.6915, 85.0639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9551, 86.8653, 70.7870 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, 238, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 206)  
}
```

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, 238, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 206) }
```

Border

The CSS property to change the border of an element to XYZ 82.9551, 86.8653, 70.7870 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, 238, 206) }
```


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

```
.border{ border-color:rgb(255, 238, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9551, 86.8653, 70.7870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 206) }
```

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

```
.background{ background-color: rgb(255,  
238, 206) }
```

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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