

Converting Colors

XYZ(82.8036, 86.3670, 71.3386)

Have a look what the booklet for
XYZ(82.8036, 86.3670, 71.3386)
contains.

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Color

**XYZ(82.7867, 86.3334,
71.3322)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDCF
RGB	255, 237, 207
RGB Percent	100%, 93%, 81%
CMY	0.0000, 0.0706, 0.1882
CMYK	0.00, 0.07, 0.19, 0.00
HSL	38°, 100%, 91%
HSV	38°, 19%, 100%
XYZ	82.7867, 86.3334, 71.3322
YIQ	238.9620, 20.3580, -5.5140

Conversions

Conversions Part 2

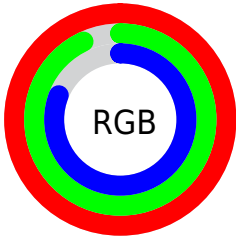
Format	Color
R _Y B	236, 255, 207
Decimal	16772559
CIE Lab	94.45, 1.41, 16.74
CIE LCh	94, 16.796, 85.196
Yxy	86.3334, 0.3443, 0.3590
Android (android.graphics.Color)	4294962639 (0xFFFFEDCF)
YUV	238.9620, -15.7573, 14.0653
Hunter-Lab	92.9158, -3.5615, 19.5236

Details

The XYZ color **82.7867, 86.3334, 71.3322** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.7067, 74.3337, 105.2289**, and the grayscale version is **82.1240, 86.4008, 94.0905**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5623, 47.3534, 36.8757** is the 20% darker color. If you saturate the color by 10%, you get **77.2236, 79.7997, 55.3193**, and if you desaturate by 10%, it is **89.0051, 93.3711, 90.0496**.

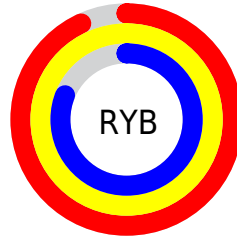
Distribution



Red (100%)

Green (93%)

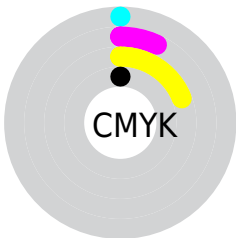
Blue (81%)



Red (93%)

Yellow (100%)

Blue (81%)

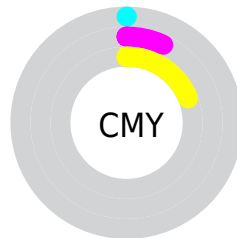


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7867, 86.3334, 71.3322 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 82.7867, 86.3334, 71.3322 by changing the saturation by 10% instead.


 82.7867, 86.3334,
71.3322

 82.7867, 86.3334,
71.3322


492.8701,
516.0299, 484.1288

 62.3305, 64.9437,
52.1298


136.2068,
142.2346, 122.8055

 45.5564, 47.4154,
36.7256


169.9013,
177.5150, 155.9135

 32.0991, 33.3642,
24.7010


208.7394,
218.1943, 194.4938

 21.5931, 22.4056,
15.6374

253.0864,
264.6571, 238.9650

 13.6731, 14.1552,
9.1164

303.3076,
317.2876, 289.7455

 7.9739, 8.2287,
4.7193

359.7684,

 4.1299, 4.2416,

376.4703, 347.2540

2.0277

422.8341,
442.5896, 411.9089

■ 1.7759, 1.8096,
0.5722

■ 0.5031, 0.4932,
0.0000

■ 82.7867, 86.3334,
71.3322

■ 82.7867, 86.3334,
71.3322

■ 77.2236, 79.7997,
55.3193

■ 89.0051, 93.3711,
90.0496

■ 72.2831, 73.7447,
41.8778

95.0500, 100.0000,
108.9000

■ 67.9389, 68.1570,
30.8710

■ 64.1600, 63.0202,
22.1476

■ 60.9122, 58.3169,
15.5392

■ 58.1564, 54.0274,
10.8534

■ 55.8472, 50.1293,
7.8628

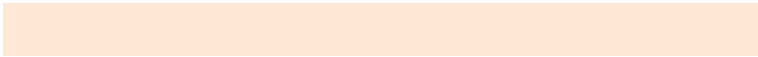
■ 53.9194, 46.5924,
6.2376

■ 53.7079, 46.1957,
6.0860

Harmonies

Analogous

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



87.1146, 86.3334, 75.0230



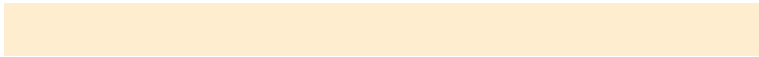
82.7867, 86.3334, 71.3322



78.4153, 86.3334, 73.2452

Triad

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



82.7867, 86.3334, 71.3322



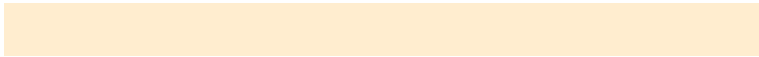
74.4472, 86.3334, 104.9935



89.3969, 86.3334, 108.9250

Complementary

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



82.7867, 86.3334, 71.3322



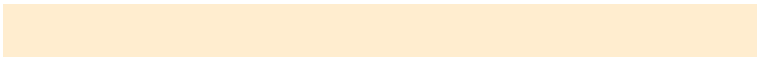
70.7067, 74.3337, 105.2289

Split Complementary

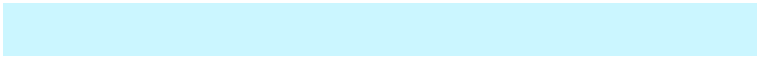
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8103, 86.3334, 118.3517



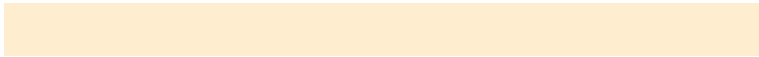
82.7867, 86.3334, 71.3322



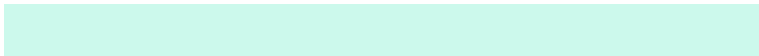
77.1996, 86.3334, 115.9398

Square

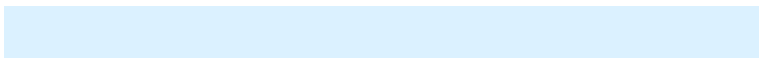
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7867, 86.3334, 71.3322



73.7039, 86.3334, 91.9350



81.3322, 86.3334, 121.0291



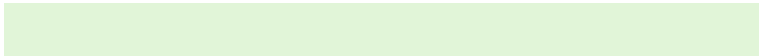
91.0192, 86.3334, 96.1006

Rectangle

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



82.7867, 86.3334, 71.3322



76.0483, 86.3334, 77.5424



81.3322, 86.3334, 121.0291



88.3748, 86.3334, 112.6410

Sweetspot

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



82.7887, 86.3371, 71.3340



90.8811, 95.4483, 95.8380



77.1987, 71.3447, 81.2235



19.3583, 20.3262, 20.2223



0.0000, 0.0000, 0.0000



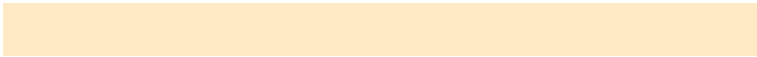
20.3446, 21.4041, 23.3091

Same Dimension

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



82.7887, 86.3371, 71.3340



80.3863, 83.5467, 64.3230



86.2325, 96.2385, 73.0637



18.9555, 19.8792, 18.9823



28.2117, 24.4346, 3.2294



2.8519, 2.5892, 0.3495

Inverse Universe

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



70.7067, 74.3337, 105.2289



66.0650, 69.3205, 104.5059



67.6885, 65.9332, 103.7666



17.5609, 18.4934, 22.8940



11.7293, 8.3682, 50.4316



1.2429, 1.0164, 4.9440

Previews

White Background



This preview shows how the XYZ color 82.7867, 86.3334, 71.3322 looks on a white background.

Color Contrast Check

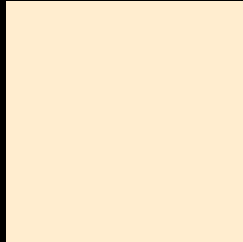
Large Text (above 18pt) WCAG AA × Fail

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 82.7867, 86.3334, 71.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

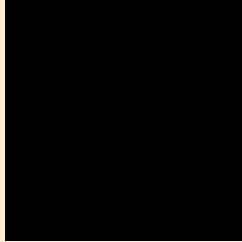
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7867, 86.3334, 71.3322

Background



This preview shows how black text looks on a background with the XYZ color 82.7867, 86.3334, 71.3322.



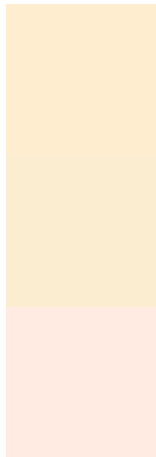
This preview shows how white text looks on a background with the XYZ color 82.7867, 86.3334,

71.3322.

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

82.7867, 86.3334, 71.3322

Protanopia

81.7434, 86.2124, 72.0068

Deuteranopia

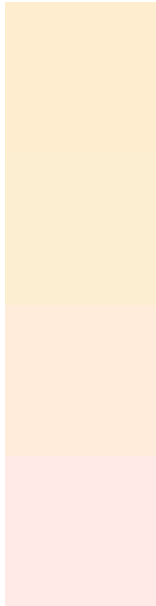
84.6758, 86.1676, 84.1206



Tritanopia

87.0135, 86.1916, 99.2393

Trichromacy



Original Color

82.7867, 86.3334, 71.3322

Protanomaly

82.1046, 86.3986, 72.0237

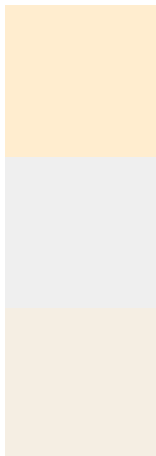
Deuteranomaly

84.0216, 86.3654, 79.2596

Tritanomaly

85.2283, 85.9318, 88.4384

Monochromacy



Original Color

82.7867, 86.3334, 71.3322

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.0959, 86.1076, 84.9666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7867, 86.3334, 71.3322 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, 237, 207) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 207)  
}
```

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, 237, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 207) }
```

Border

The CSS property to change the border of an element to XYZ 82.7867, 86.3334, 71.3322 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, 237, 207) }
```


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

```
.border{ border-color:rgb(255, 237, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7867, 86.3334, 71.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 207) }
```

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

```
.background{ background-color: rgb(255,  
237, 207) }
```

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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