

Converting Colors

XYZ(87.1782, 95.0909, 82.8678)

Have a look what the booklet for
XYZ(87.1782, 95.0909, 82.8678)
contains.

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Color

**XYZ(87.0621, 95.0345,
82.8621)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FCDE
RGB	249, 252, 222
RGB Percent	98%, 99%, 87%
CMY	0.0235, 0.0117, 0.1294
CMYK	0.01, 0.00, 0.12, 0.01
HSL	66°, 83%, 93%
HSV	66°, 12%, 99%
XYZ	87.0621, 95.0345, 82.8621
YIQ	247.6830, 7.8420, -9.9660

Conversions

Conversions Part 2

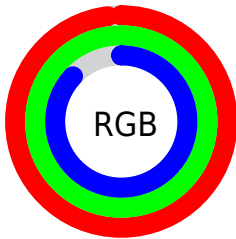
Format	Color
R _Y B	222, 252, 225
Decimal	16383198
CIE Lab	98.05, -6.00, 14.04
CIE LCh	98, 15.263, 113.134
Yxy	95.0345, 0.3286, 0.3587
Android (android.graphics.Color)	4294573278 (0xFFF9FCDE)
YUV	247.6830, -12.6617, 1.1550
Hunter-Lab	97.4856, -11.1858, 17.8439

Details

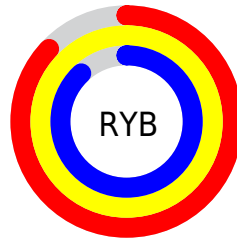
The XYZ color **87.0621, 95.0345, 82.8621** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.7471, 75.2810, 102.6918**, and the grayscale version is **89.0621, 93.7003, 102.0396**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2284, 53.0267, 44.2525** is the 20% darker color. If you saturate the color by 10%, you get **83.0411, 93.3260, 66.3411**, and if you desaturate by 10%, it is **91.6053, 96.9595, 102.0467**.

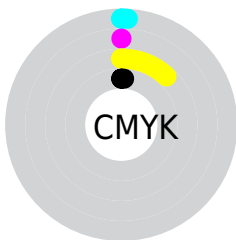
Distribution



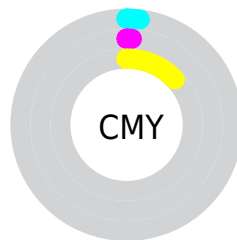
- Red (98%)
- Green (99%)
- Blue (87%)



- Red (87%)
- Yellow (99%)
- Blue (88%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)



- Cyan (2%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0621, 95.0345, 82.8621 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 87.0621, 95.0345, 82.8621 by changing the saturation by 10% instead.

87.0621, 95.0345,
82.8621

87.0621, 95.0345,
82.8621

506.8084,
544.2754, 524.4858

65.8748, 72.1637,
61.5364

142.1499,
154.3123, 139.2298

48.4381, 53.2924,
44.2249

176.7811,
191.4880, 175.1089

34.3867, 38.0362,
30.5088

216.6244,
234.2009, 216.6763

23.3551, 26.0108,
19.9698

262.0450,
282.8352, 264.3505

14.9781, 16.8317,
12.1892

313.4084,
337.7754, 318.5500

8.8902, 10.1146,
6.7486

371.0798,

4.7262, 5.4750,

399.4060, 379.6933

3.2293

435.4247,
468.1111, 448.1991

■ 2.1206, 2.5286,
1.2129

■ 0.7004, 0.8909,
0.0000

■ 87.0621, 95.0345,
82.8621

■ 87.0621, 95.0345,
82.8621

■ 83.0411, 93.3260,
66.3411

■ 91.6053, 96.9595,
102.0467

■ 79.5121, 91.8125,
52.3598

■ 93.7535, 97.9249,
108.5678

■ 76.4538, 90.4887,
40.7941

■ 94.1024, 98.1047,
108.5841

■ 73.8399, 89.3441,
31.5067

■ 71.6418, 88.3671,
24.3467

■ 69.8274, 87.5450,
19.1449

■ 68.3595, 86.8629,
15.7067

■ 67.1936, 86.3029,
13.7972

■ 66.4164, 85.9172,
13.0832

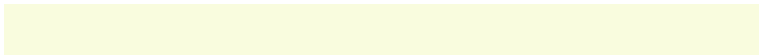
Harmonies

Analogous

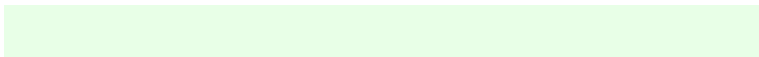
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3371, 95.0345, 81.3496



87.0621, 95.0345, 82.8621



83.7621, 95.0345, 89.6828

Triad

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



87.0621, 95.0345, 82.8621



85.3732, 95.0345, 123.9759



98.9408, 95.0345, 106.3840

Complementary

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



87.0621, 95.0345, 82.8621



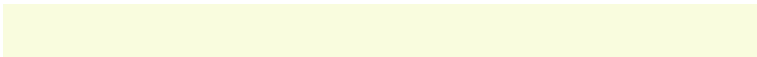
74.7471, 75.2810, 102.6918

Split Complementary

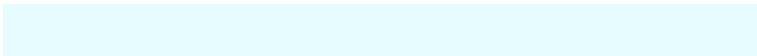
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.2272, 95.0345, 118.6164



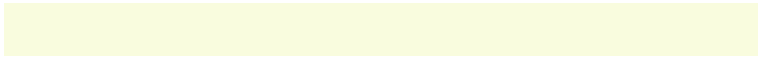
87.0621, 95.0345, 82.8621



89.3253, 95.0345, 129.2904

Square

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



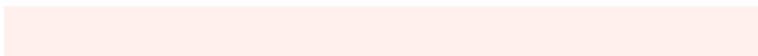
87.0621, 95.0345, 82.8621



82.8092, 95.0345, 113.2347



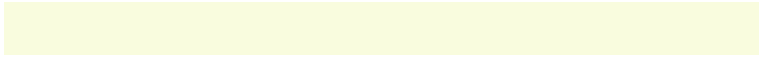
93.6734, 95.0345, 127.2540



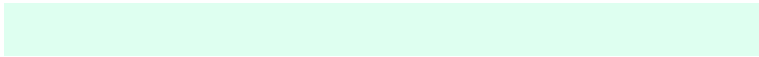
98.2875, 95.0345, 94.2955

Rectangle

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



87.0621, 95.0345, 82.8621



82.5127, 95.0345, 96.6415



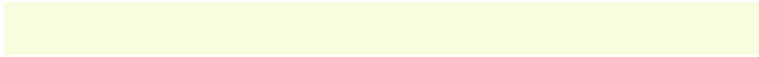
93.6734, 95.0345, 127.2540



98.6207, 95.0345, 110.6262

Sweetspot

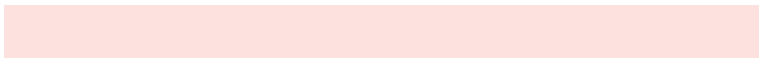
The Sweet Spot groups the original color and five complimentary colors.



87.0647, 95.0387, 82.8641



93.0760, 99.1671, 100.4617



80.2581, 79.8224, 80.2859



19.8447, 21.1932, 21.1741



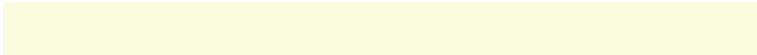
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

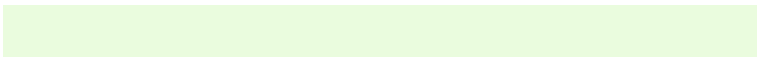
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0647, 95.0387, 82.8641



88.5223, 97.2384, 81.3283



81.9304, 92.3918, 82.6239



18.5460, 20.0972, 18.3641



34.6672, 44.7899, 6.8182



3.2588, 4.1731, 0.6337

Inverse Universe

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



74.7471, 75.2810, 102.6918



73.8531, 73.7080, 104.9423



79.6302, 77.7983, 102.9203



16.4443, 16.7262, 21.7471



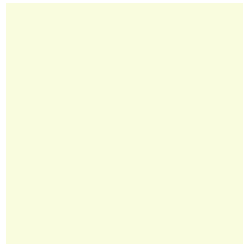
9.4194, 3.7986, 48.2103



0.9244, 0.3786, 4.4675

Previews

White Background



This preview shows how the XYZ color 87.0621, 95.0345, 82.8621 looks on a white background.

Color Contrast Check

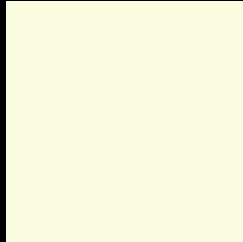
Large Text (above 18pt) WCAG AA × Fail

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 87.0621, 95.0345, 82.8621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

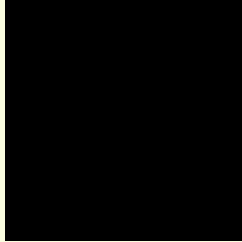
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.0621, 95.0345, 82.8621

Background



This preview shows how black text looks on a background with the XYZ color 87.0621, 95.0345, 82.8621.



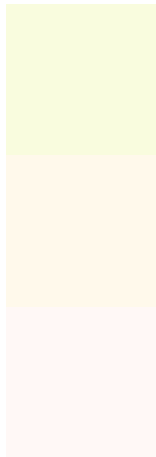
This preview shows how white text looks on a background with the XYZ color 87.0621, 95.0345,

82.8621.

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

87.0621, 95.0345, 82.8621

Protanopia

90.1111, 95.0095, 92.1866

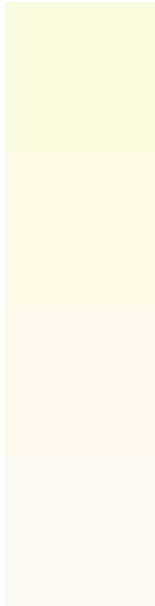
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

91.4011, 94.8640, 108.1010

Trichromacy



Original Color

87.0621, 95.0345, 82.8621

Protanomaly

88.9765, 94.9670, 88.5038

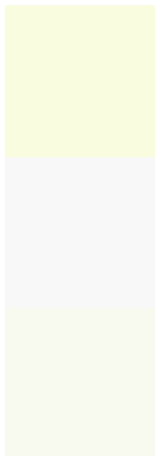
Deuteranomaly

89.6698, 94.7484, 93.6829

Tritanomaly

89.4777, 94.5464, 98.3273

Monochromacy



Original Color

87.0621, 95.0345, 82.8621

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.1671, 93.9398, 95.1467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.0621, 95.0345, 82.8621 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(249, 252, 222) looks like.

```
.text, #text, p{  
    color:rgb(249, 252, 222)  
}
```

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(249, 252, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 252, 222) }
```

Border

The CSS property to change the border of an element to XYZ 87.0621, 95.0345, 82.8621 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(249, 252, 222) }
```


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

```
.border{ border-color:rgb(249, 252, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 252, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 252, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 252, 222);  
box-shadow:4px 4px 4px 4px rgb(249, 252,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 87.0621, 95.0345, 82.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 252, 222) }
```

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

```
.background{ background-color: rgb(249,  
252, 222) }
```

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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