

Converting Colors

XYZ(89.6426, 97.6940, 86.8893)

Have a look what the booklet for
XYZ(89.6426, 97.6940, 86.8893)
contains.

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Color

**XYZ(89.7700, 97.7615,
86.8115)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFE3
RGB	252, 255, 227
RGB Percent	99%, 100%, 89%
CMY	0.0118, 0.0000, 0.1098
CMYK	0.01, 0.00, 0.11, 0.00
HSL	66°, 100%, 95%
HSV	66°, 11%, 100%
XYZ	89.7700, 97.7615, 86.8115
YIQ	250.9110, 7.2000, -9.3440

Conversions

Conversions Part 2

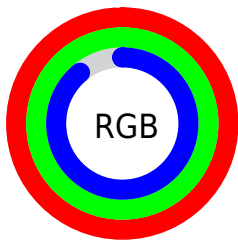
Format	Color
R_{YB}	227, 255, 230
Decimal	16580579
CIE _{Lab}	99.13, -5.67, 13.04
CIE _{LCh}	99, 14.222, 113.500
Yxy	97.7615, 0.3272, 0.3563
Android (android.graphics.Color)	4294770659 (0xFFFCFFE3)
YUV	250.9110, -11.7881, 0.9551
Hunter-Lab	98.8744, -10.9666, 17.1556

Details

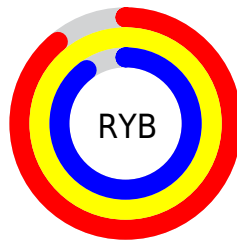
The XYZ color 89.7700, 97.7615, 86.8115 is a light color, and the websafe version is hex FFFFC0. A complement of this color would be 78.1530, 78.9824, 105.7338, and the grayscale version is 91.7105, 96.4866, 105.0739.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1462, 54.9688, 46.9968 is the 20% darker color. If you saturate the color by 10%, you get 85.5249, 95.9500, 69.5810, and if you desaturate by 10%, it is 94.5520, 99.7894, 106.7909.

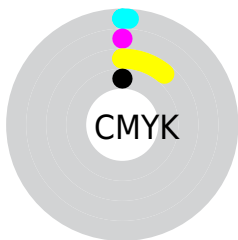
Distribution



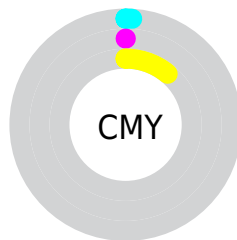
- Red (99%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.7700, 97.7615, 86.8115 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 89.7700, 97.7615, 86.8115 by changing the saturation by 10% instead.


 89.7700, 97.7615,
86.8115

 89.7700, 97.7615,
86.8115


515.5314,
552.9684, 537.9034

 68.1255, 74.4355,
64.7805


145.8988,
158.0743, 144.7979

 50.2739, 55.1506,
46.8329


181.1139,
195.8298, 181.5904

 35.8498, 39.5223,
32.5502


221.5833,
239.1640, 224.1405

 24.4878, 27.1663,
21.5138

267.6723,
288.4612, 272.8667

 15.8225, 17.6981,
13.3052

319.7462,
344.1059, 328.1875

 9.4887, 10.7335,
7.5058

378.1705,

 5.1209, 5.8879,

406.4824, 390.5216

3.6972

443.3105,
475.9751, 460.2873

■ 2.3539, 2.7770,
1.4607

■ 0.8220, 1.0165,
0.1884

■ 89.7700, 97.7615,
86.8115

■ 89.7700, 97.7615,
86.8115

■ 85.5249, 95.9500,
69.5810

94.5520, 99.7894,
106.7909

■ 81.7918, 94.3450,
54.9748

95.0500, 100.0000,
108.9000

■ 78.5468, 92.9368,
42.8653

■ 75.7633, 91.7148,
33.1123

■ 73.4118, 90.6673,
25.5619

■ 71.4598, 89.7811,
20.0421

■ 69.8695, 89.0413,
16.3551

■ 68.5960, 88.4297,
14.2640

■ 67.6555, 87.9627,
13.4127

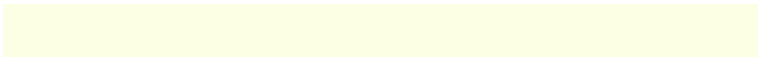
Harmonies

Analogous

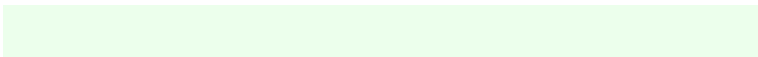
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8267, 97.7615, 85.2924



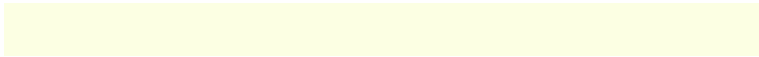
89.7700, 97.7615, 86.8115



86.6441, 97.7615, 93.4076

Triad

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



89.7700, 97.7615, 86.8115



88.2478, 97.7615, 125.9178



101.0853, 97.7615, 109.0569

Complementary

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



89.7700, 97.7615, 86.8115



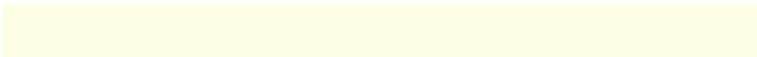
78.1530, 78.9824, 105.7338

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.



99.4906, 97.7615, 120.6437



89.7700, 97.7615, 86.8115



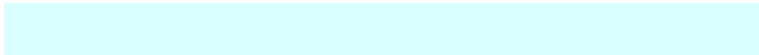
92.0179, 97.7615, 130.8356

Square

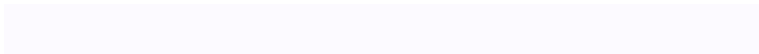
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



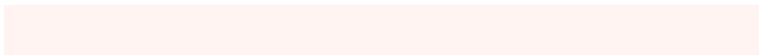
89.7700, 97.7615, 86.8115



85.7837, 97.7615, 115.8322



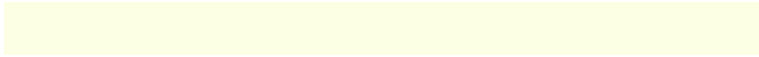
96.1416, 97.7615, 128.8372



100.4402, 97.7615, 97.5804

Rectangle

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



89.7700, 97.7615, 86.8115



85.4678, 97.7615, 100.0786



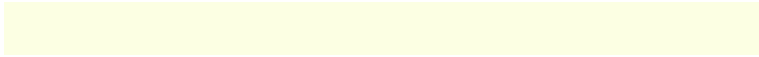
96.1416, 97.7615, 128.8372



100.7919, 97.7615, 113.0772

Sweetspot

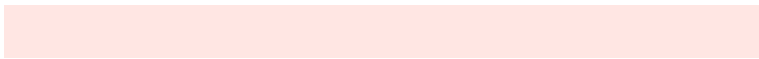
The Sweet Spot groups the original color and five complimentary colors.



89.7707, 97.7618, 86.8129



93.5418, 99.3620, 102.5277



83.3471, 83.2895, 84.3581



19.9373, 21.2318, 21.5899



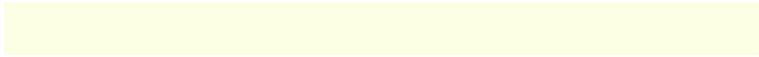
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



89.7707, 97.7618, 86.8129



88.8704, 97.3786, 83.1139



84.9529, 95.2781, 86.5875



19.3583, 20.9861, 19.1748



35.4288, 46.0023, 7.0120



3.5022, 4.5062, 0.6852

Inverse Universe

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



78.1530, 78.9824, 105.7338



75.3079, 75.4549, 105.2029



82.7587, 81.3567, 105.9493



17.1836, 17.4708, 22.7165



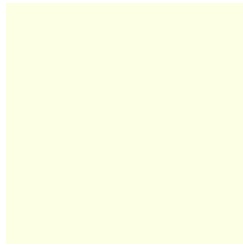
9.7300, 3.9265, 49.6796



1.0038, 0.4114, 4.8398

Previews

White Background



This preview shows how the XYZ color 89.7700, 97.7615, 86.8115 looks on a white background.

Color Contrast Check

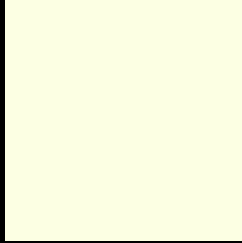
Large Text (above 18pt) WCAG AA × Fail

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 89.7700, 97.7615, 86.8115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

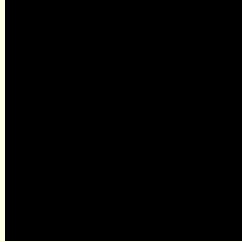
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.7700, 97.7615, 86.8115

Background



This preview shows how black text looks on a background with the XYZ color 89.7700, 97.7615, 86.8115.



This preview shows how white text looks on a background with the XYZ color 89.7700, 97.7615,

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

89.7700, 97.7615, 86.8115



Protanopia

92.6850, 97.5346, 101.1298

Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

89.7700, 97.7615, 86.8115

Protanomaly

91.5783, 97.5534, 95.6643

Deuteranomaly

92.0253, 97.7322, 98.0183

Tritanomaly

92.1147, 97.7258, 100.3942

Monochromacy



Original Color

89.7700, 97.7615, 86.8115



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

90.6211, 96.5408, 97.8624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.7700, 97.7615, 86.8115 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(252, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 227)  
}
```

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(252, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 89.7700, 97.7615, 86.8115 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(252, 255, 227) }
```


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

```
.border{ border-color:rgb(252, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 89.7700, 97.7615, 86.8115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 227) }
```

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

```
.background{ background-color: rgb(252,  
255, 227) }
```

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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