

Converting Colors

XYZ(87.9799, 96.7569, 90.4201)

Have a look what the booklet for
XYZ(87.9799, 96.7569, 90.4201)
contains.

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Color

**XYZ(87.9817, 96.7587,
90.3831)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFE8
RGB	245, 255, 232
RGB Percent	96%, 100%, 91%
CMY	0.0392, 0.0000, 0.0902
CMYK	0.04, 0.00, 0.09, 0.00
HSL	86°, 100%, 95%
HSV	86°, 9%, 100%
XYZ	87.9817, 96.7587, 90.3831
YIQ	249.3880, 1.4230, -9.2730

Conversions

Conversions Part 2

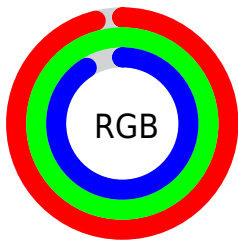
Format	Color
R_{YB}	232, 255, 242
Decimal	16121832
CIE _{Lab}	98.73, -7.25, 9.85
CIE _{LCh}	99, 12.231, 126.340
Yxy	96.7587, 0.3198, 0.3517
Android (android.graphics.Color)	4294311912 (0xFFFF5FFE8)
YUV	249.3880, -8.5723, -3.8483
Hunter-Lab	98.3660, -12.4844, 14.3779

Details

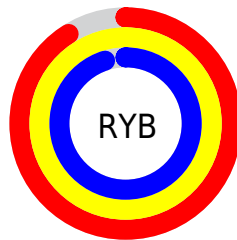
The XYZ color **87.9817, 96.7587, 90.3831** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5253, 83.8117, 106.3828**, and the grayscale version is **90.4286, 95.1380, 103.6052**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0168, 54.3416, 48.9798** is the 20% darker color. If you saturate the color by 10%, you get **80.8654, 93.4787, 72.4939**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

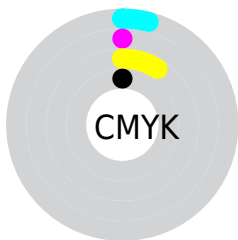
Distribution



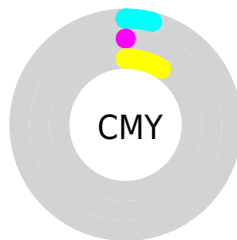
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9817, 96.7587, 90.3831 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 87.9817, 96.7587, 90.3831 by changing the saturation by 10% instead.

87.9817, 96.7587,
90.3831

87.9817, 96.7587,
90.3831

509.7796,
549.7801, 549.8785

66.6387, 73.5996,
67.7229

143.4243,
156.6921, 149.8106

49.0606, 54.4664,
49.2071

178.2546,
194.2352, 187.4150

34.8823, 38.9747,
34.4170

218.3114,
237.3417, 230.8379

23.7383, 26.7400,
22.9342

263.9600,
286.3961, 280.4978

15.2633, 17.3781,
14.3401

315.5657,
341.7827, 336.8133

9.0919, 10.5044,
8.2161

373.4940,

4.8588, 5.7347,

403.8860, 400.2028

4.1438

438.1102,
473.0903, 471.0851

■ 2.1985, 2.6844,
1.7046

■ 0.7420, 0.9693,
0.3639

■ 87.9817, 96.7587,
90.3831

■ 87.9817, 96.7587,
90.3831

■ 80.8654, 93.4787,
72.4939

95.0500, 100.0000,
108.9000

■ 74.4793, 90.5170,
57.2632

■ 68.7958, 87.8622,
44.5650

■ 63.7844, 85.5016,
34.2614

■ 59.4121, 83.4215,
26.2014

■ 55.6425, 81.6068,
20.2165

■ 52.4345, 80.0404,
16.1148

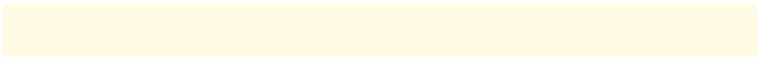
■ 49.7400, 78.7028,
13.6683

■ 47.4903, 77.5656,
12.5405

Harmonies

Analogous

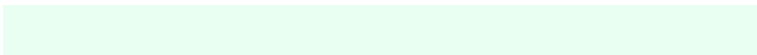
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2148, 96.7587, 87.1001



87.9817, 96.7587, 90.3831



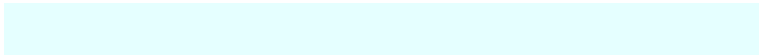
85.8567, 96.7587, 97.7042

Triad

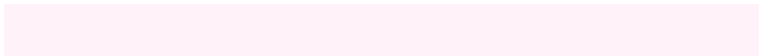
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9817, 96.7587, 90.3831



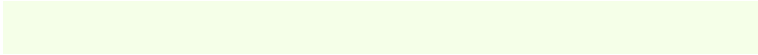
89.2549, 96.7587, 124.2863



98.9162, 96.7587, 103.2105

Complementary

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



87.9817, 96.7587, 90.3831



83.5253, 83.8117, 106.3828

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.



98.3590, 96.7587, 113.3925



87.9817, 96.7587, 90.3831



92.7218, 96.7587, 125.9947

Square

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



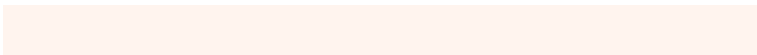
87.9817, 96.7587, 90.3831



86.5785, 96.7587, 117.3636



96.0693, 96.7587, 121.8925



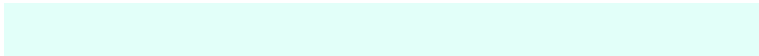
97.5730, 96.7587, 94.1926

Rectangle

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



87.9817, 96.7587, 90.3831



85.3232, 96.7587, 104.1112



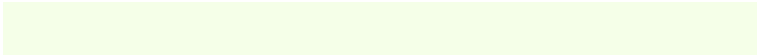
96.0693, 96.7587, 121.8925



98.9454, 96.7587, 106.6062

Sweetspot

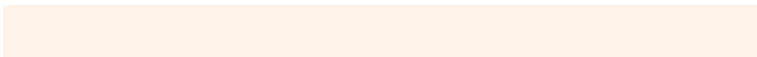
The Sweet Spot groups the original color and five complimentary colors.



87.9824, 96.7590, 90.3846



92.6295, 98.8917, 102.4850



87.5483, 90.5714, 89.2131



19.6906, 21.1046, 21.5784



0.0000, 0.0000, 0.0000



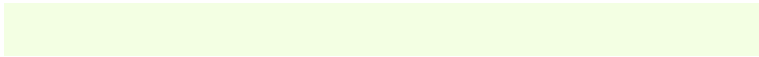
20.3446, 21.4041, 23.3091

Same Dimension

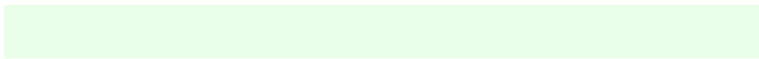
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9824, 96.7590, 90.3846



86.5131, 96.0833, 86.6231



84.1050, 94.7601, 90.2031



18.7542, 20.6747, 19.1465



24.8821, 40.5653, 6.5185



2.5481, 4.0143, 0.6405

Inverse Universe

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



83.5253, 83.8117, 106.3828



81.1510, 80.5068, 105.8700



87.5853, 85.9047, 106.5728



17.7522, 17.7640, 22.7431



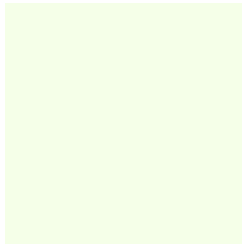
13.0119, 5.6183, 49.8332



1.3895, 0.6102, 4.8578

Previews

White Background



This preview shows how the XYZ color 87.9817, 96.7587, 90.3831 looks on a white background.

Color Contrast Check

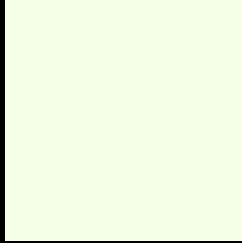
Large Text (above 18pt) WCAG AA × Fail

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 87.9817, 96.7587, 90.3831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

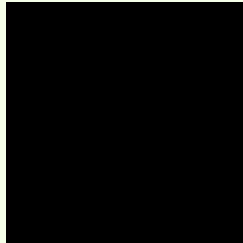
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

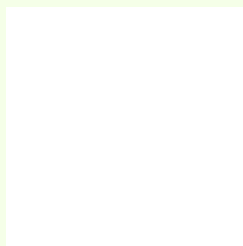
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.9817, 96.7587, 90.3831

Background



This preview shows how black text looks on a background with the XYZ color 87.9817, 96.7587, 90.3831.

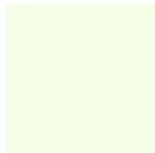


This preview shows how white text looks on a background with the XYZ color 87.9817, 96.7587,

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

87.9817, 96.7587, 90.3831



Protanopia

91.9148, 96.7254, 98.6195

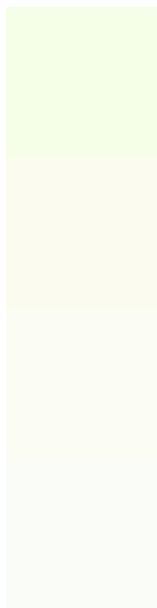
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

92.3308, 96.7236, 108.4109

Trichromacy



Original Color

87.9817, 96.7587, 90.3831

Protanomaly

90.1741, 96.3620, 95.5084

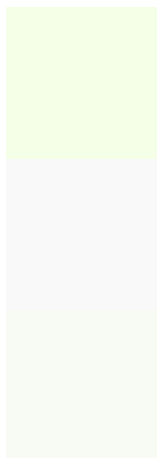
Deuteranomaly

90.7717, 96.6011, 98.6557

Tritanomaly

90.6658, 96.4759, 101.8388

Monochromacy



Original Color

87.9817, 96.7587, 90.3831

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.3862, 95.4219, 98.5011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.9817, 96.7587, 90.3831 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(245, 255, 232) looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 232)  
}
```

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(245, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 87.9817, 96.7587, 90.3831 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(245, 255, 232) }
```


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

```
.border{ border-color:rgb(245, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 87.9817, 96.7587, 90.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 232) }
```

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

```
.background{ background-color: rgb(245,  
255, 232) }
```

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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