

Converting Colors

XYZ(87.2872, 96.4097, 89.9432)

Have a look what the booklet for
XYZ(87.2872, 96.4097, 89.9432)
contains.

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Color

**XYZ(87.1460, 96.3442,
89.6045)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFE7
RGB	243, 255, 231
RGB Percent	95%, 100%, 91%
CMY	0.0471, 0.0000, 0.0941
CMYK	0.05, 0.00, 0.09, 0.00
HSL	90°, 100%, 95%
HSV	90°, 9%, 100%
XYZ	87.1460, 96.3442, 89.6045
YIQ	248.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

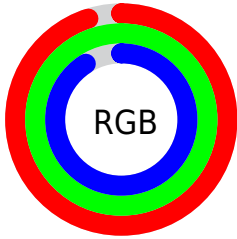
Format	Color
R _Y B	231, 255, 243
Decimal	15990759
CIE Lab	98.57, -8.09, 10.11
CIE LCh	99, 12.948, 128.659
Yxy	96.3442, 0.3191, 0.3528
Android (android.graphics.Color)	4294180839 (0xFFFF3FFE7)
YUV	248.6760, -8.7143, -4.9779
Hunter-Lab	98.1551, -13.2920, 14.5835

Details

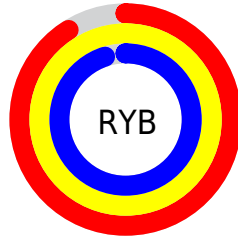
The XYZ color **87.1460, 96.3442, 89.6045** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5887, 83.4277, 106.3053**, and the grayscale version is **89.8450, 94.5239, 102.9365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4255, 54.0481, 48.4375** is the 20% darker color. If you saturate the color by 10%, you get **79.5543, 92.8168, 71.7983**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

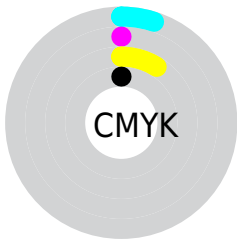
Distribution



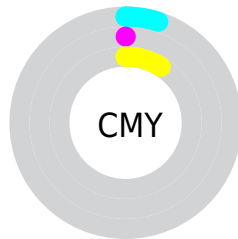
- Red (95%)
- Green (100%)
- Blue (91%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1460, 96.3442, 89.6045 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 87.1460, 96.3442, 89.6045 by changing the saturation by 10% instead.

87.1460, 96.3442,
89.6045

87.1460, 96.3442,
89.6045

507.0799,
548.4594, 547.2803

65.9445, 73.2543,
67.0808

142.2662,
156.1204, 148.7196

48.4949, 54.1839,
48.6883

176.9157,
193.5754, 186.1481

34.4318, 38.7487,
34.0084

216.7784,
236.5875, 229.3820

23.3900, 26.5643,
22.6226

262.2199,
285.5412, 278.8397

15.0040, 17.2463,
14.1124

313.6054,
340.8209, 334.9399

8.9085, 10.4102,
8.0593

371.3003,

4.7382, 5.6718,

402.8109, 398.1010

4.0446

435.6700,
471.8956, 468.7416

■ 2.1277, 2.6466,
1.6498

■ 0.7042, 0.9501,
0.3260

■ 87.1460, 96.3442,
89.6045

■ 87.1460, 96.3442,
89.6045

■ 79.5543, 92.8168,
71.7983

95.0500, 100.0000,
108.9000

■ 72.7634, 89.6442,
56.6491

■ 66.7435, 86.8139,
44.0305

■ 61.4618, 84.3120,
33.8040

■ 56.8828, 82.1235,
25.8178

■ 52.9672, 80.2318,
19.9027

■ 49.6712, 78.6186,
15.8654

■ 46.9435, 77.2624,
13.4760

■ 44.7090, 76.1324,
12.3818

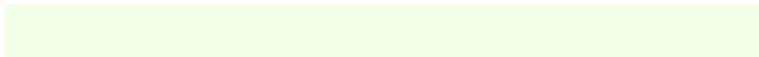
Harmonies

Analogous

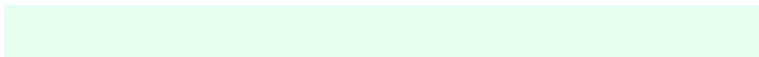
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4921, 96.3442, 85.8019



87.1460, 96.3442, 89.6045



85.0257, 96.3442, 97.5730

Triad

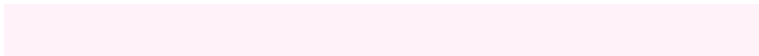
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1460, 96.3442, 89.6045



88.9760, 96.3442, 125.3136



98.8793, 96.3442, 101.8272

Complementary

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



87.1460, 96.3442, 89.6045



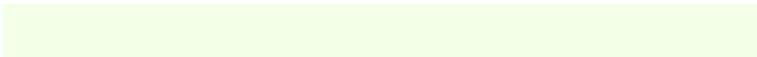
83.5887, 83.4277, 106.3053

Split Complementary

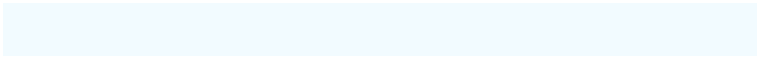
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4465, 96.3442, 112.5900



87.1460, 96.3442, 89.6045



92.6610, 96.3442, 126.6460

Square

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



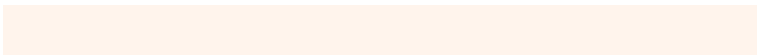
87.1460, 96.3442, 89.6045



86.0621, 96.3442, 118.3237



96.1459, 96.3442, 121.8494



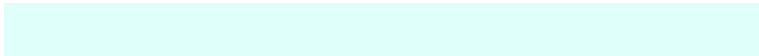
97.3128, 96.3442, 92.5365

Rectangle

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



87.1460, 96.3442, 89.6045



84.5584, 96.3442, 104.4205



96.1459, 96.3442, 121.8494



98.9636, 96.3442, 105.3859

Sweetspot

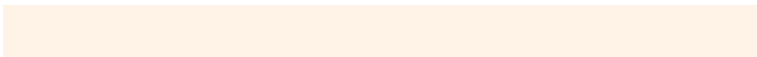
The Sweet Spot groups the original color and five complimentary colors.



87.1468, 96.3446, 89.6060



92.4494, 98.7988, 102.4766



87.5954, 90.8922, 88.5299



19.6420, 21.0795, 21.5761



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

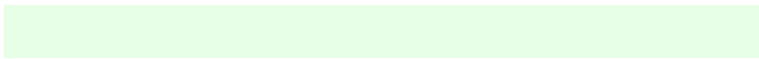
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1468, 96.3446, 89.6060



85.8856, 95.7598, 86.5937



83.2689, 94.3455, 89.4245



18.6370, 20.6143, 19.1410



23.4704, 39.8375, 6.4524



2.4112, 3.9438, 0.6341

Inverse Universe

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



83.5887, 83.4277, 106.3053



81.7723, 80.8271, 105.8991



87.7195, 85.5571, 106.4986



17.8684, 17.8239, 22.7485



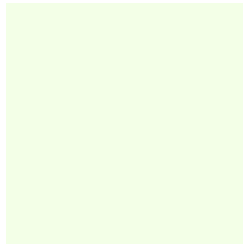
14.2155, 6.2389, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 87.1460, 96.3442, 89.6045 looks on a white background.

Color Contrast Check

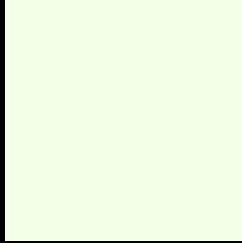
Large Text (above 18pt) WCAG AA × Fail

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 87.1460, 96.3442, 89.6045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

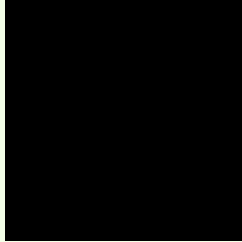
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

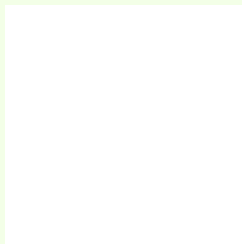
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1460, 96.3442, 89.6045

Background



This preview shows how black text looks on a background with the XYZ color 87.1460, 96.3442, 89.6045.



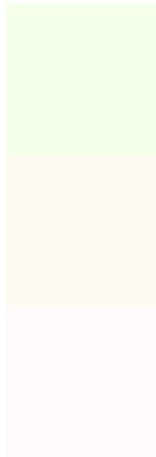
This preview shows how white text looks on a background with the XYZ color 87.1460, 96.3442,

89.645.

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

87.1460, 96.3442, 89.6045

Protanopia

91.3028, 95.9821, 96.9333

Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

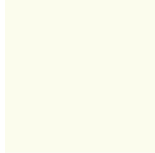
91.6599, 95.9152, 108.2902

Trichromacy



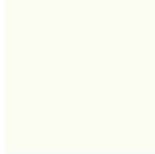
Original Color

87.1460, 96.3442, 89.6045



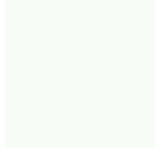
Protanomaly

89.8801, 96.2445, 93.9606



Deuteranomaly

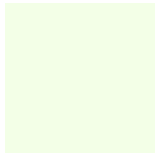
90.6211, 96.5408, 97.8624



Tritanomaly

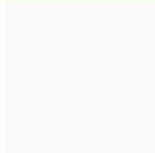
89.8027, 96.0488, 100.9949

Monochromacy



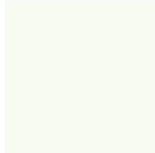
Original Color

87.1460, 96.3442, 89.6045



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.8820, 95.1793, 97.6913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1460, 96.3442, 89.6045 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(243, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 231)  
}
```

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(243, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 87.1460, 96.3442, 89.6045 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(243, 255, 231) }
```


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

```
.border{ border-color:rgb(243, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1460, 96.3442, 89.6045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 231) }
```

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

```
.background{ background-color: rgb(243,  
255, 231) }
```

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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