

Converting Colors

XYZ(89.2607, 100.0000,
87.4802)

Have a look what the booklet for
XYZ(89.2607, 100.0000, 87.4802)
contains.

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Color

**XYZ(87.6312, 96.6589,
86.7114)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFE3
RGB	246, 255, 227
RGB Percent	96%, 100%, 89%
CMY	0.0353, 0.0000, 0.1098
CMYK	0.04, 0.00, 0.11, 0.00
HSL	79°, 100%, 95%
HSV	79°, 11%, 100%
XYZ	87.6312, 96.6589, 86.7114
YIQ	249.1170, 3.6240, -10.6160

Conversions

Conversions Part 2

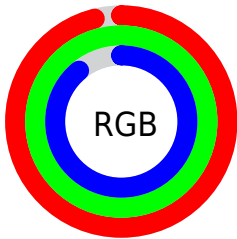
Format	Color
R_{YB}	227, 255, 236
Decimal	16187363
CIE _{Lab}	98.69, -7.73, 12.36
CIE _{LCh}	99, 14.580, 121.998
Yxy	96.6589, 0.3234, 0.3567
Android (android.graphics.Color)	4294377443 (0xFFFF6FFE3)
YUV	249.1170, -10.9037, -2.7336
Hunter-Lab	98.3153, -12.9495, 16.5285

Details

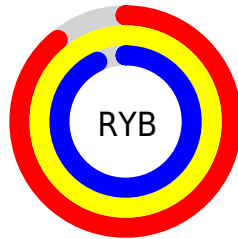
The XYZ color **87.6312, 96.6589, 86.7114** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.1119, 79.9922, 105.8254**, and the grayscale version is **90.2228, 94.9215, 103.3695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8757, 54.3139, 46.9373** is the 20% darker color. If you saturate the color by 10%, you get **81.5564, 93.9042, 69.3953**, and if you desaturate by 10%, it is **94.3556, 99.6882, 106.7817**.

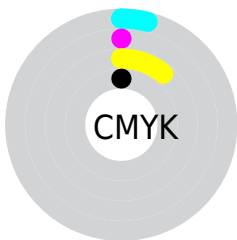
Distribution



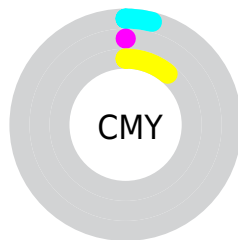
- Red (96%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.6312, 96.6589, 86.7114 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 87.6312, 96.6589, 86.7114 by changing the saturation by 10% instead.


 87.6312, 96.6589,
86.7114

 87.6312, 96.6589,
86.7114


508.6482,
549.4622, 537.5656

 66.3475, 73.5165,
64.6981


142.9388,
156.5545, 144.6571

 48.8233, 54.3984,
46.7666

177.6933,
194.0764, 181.4267

 34.6933, 38.9202,
32.4981


217.6688,
237.1602, 223.9521

 23.5921, 26.6977,
21.4743

263.2306,
286.1904, 272.6519

 15.1544, 17.3463,
13.2765

314.7441,
341.5512, 327.9446

 9.0148, 10.4817,
7.4863

372.5746,

 4.8081, 5.7195,

403.6273, 390.2487

3.6850

437.0876,
472.8028, 459.9829

■ 2.1687, 2.6753,
1.4542

■ 0.7262, 0.9647,
0.1834

■ 87.6312, 96.6589,
86.7114

■ 87.6312, 96.6589,
86.7114

■ 81.5564, 93.9042,
69.3953

94.3556, 99.6882,
106.7817

■ 76.1047, 91.4132,
54.7087

95.0500, 100.0000,
108.9000

■ 71.2505, 89.1754,
42.5238

■ 66.9657, 87.1795,
32.7005

■ 63.2192, 85.4128,
25.0849

■ 59.9766, 83.8613,
19.5047

■ 57.1987, 82.5092,
15.7621

■ 54.8385, 81.3375,
13.6201

■ 53.0029, 80.4090,
12.7270

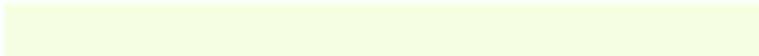
Harmonies

Analogous

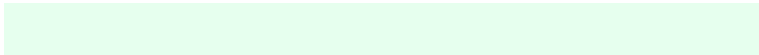
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5883, 96.6589, 83.6522



87.6312, 96.6589, 86.7114



84.8798, 96.6589, 94.6893

Triad

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



87.6312, 96.6589, 86.7114



88.1076, 96.6589, 127.1661



100.2367, 96.6589, 104.4357

Complementary

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



87.6312, 96.6589, 86.7114



80.1119, 79.9922, 105.8254

Split Complementary

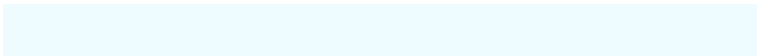
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2367, 96.6589, 116.5576



87.6312, 96.6589, 86.7114



92.1550, 96.6589, 130.2666

Square

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



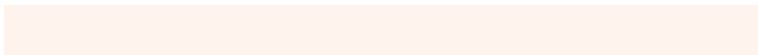
87.6312, 96.6589, 86.7114



85.1489, 96.6589, 118.0686



96.2462, 96.6589, 126.2477



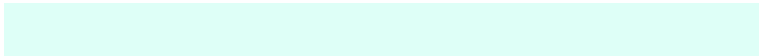
98.9387, 96.6589, 93.3854

Rectangle

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



87.6312, 96.6589, 86.7114



84.0549, 96.6589, 102.0375



96.2462, 96.6589, 126.2477



100.1581, 96.6589, 108.5193

Sweetspot

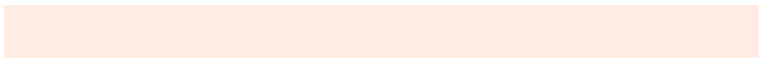
The Sweet Spot groups the original color and five complimentary colors.



87.6319, 96.6592, 86.7128



92.9438, 99.0537, 102.4997



85.0629, 86.7211, 84.9300



19.7755, 21.1483, 21.5823



0.0000, 0.0000, 0.0000



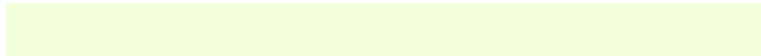
20.3446, 21.4041, 23.3091

Same Dimension

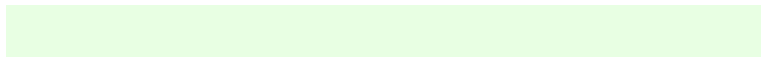
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6319, 96.6592, 86.7128



86.3529, 96.0808, 82.9961



82.9479, 94.2445, 86.4936



18.9603, 20.7810, 19.1561



27.8578, 42.0993, 6.6577



2.8265, 4.1579, 0.6536

Inverse Universe

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



80.1119, 79.9922, 105.8254



77.5742, 76.6233, 105.3089



84.8963, 82.4587, 106.0493



17.5526, 17.6611, 22.7338



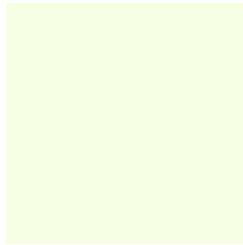
11.3849, 4.7796, 49.7571



1.2169, 0.5212, 4.8497

Previews

White Background



This preview shows how the XYZ color 87.6312, 96.6589, 86.7114 looks on a white background.

Color Contrast Check

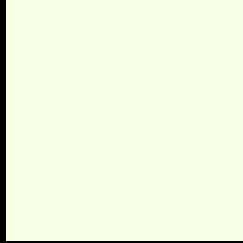
Large Text (above 18pt) WCAG AA × Fail

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 87.6312, 96.6589, 86.7114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

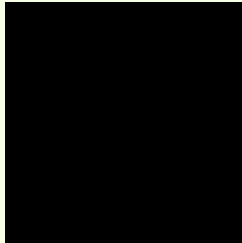
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.6312, 96.6589, 86.7114

Background



This preview shows how black text looks on a background with the XYZ color 87.6312, 96.6589, 86.7114.

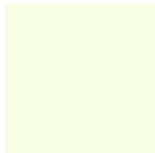


This preview shows how white text looks on a background with the XYZ color 87.6312, 96.6589,

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

87.6312, 96.6589, 86.7114

Protanopia

91.7642, 96.6652, 97.8262

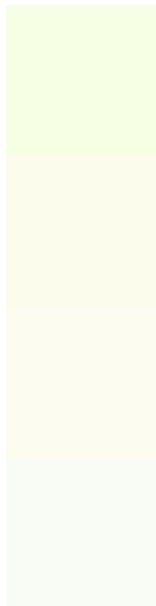
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

92.3308, 96.7236, 108.4109

Trichromacy



Original Color

87.6312, 96.6589, 86.7114

Protanomaly

90.2413, 96.4307, 93.9775

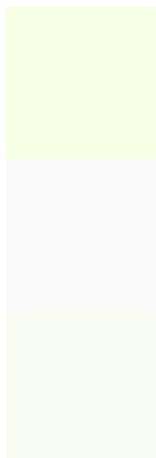
Deuteranomaly

90.8325, 96.6671, 97.0903

Tritanomaly

90.3588, 96.3531, 100.2218

Monochromacy



Original Color

87.6312, 96.6589, 86.7114

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.0858, 95.3017, 96.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6312, 96.6589, 86.7114 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(246, 255, 227) looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 87.6312, 96.6589, 86.7114 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(246, 255, 227) }
```


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

```
.border{ border-color:rgb(246, 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(246, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6312, 96.6589, 86.7114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 227) }
```

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

```
.background{ background-color: rgb(246,  
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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