

Converting Colors

XYZ(89.1296, 100.0000,
87.7053)

Have a look what the booklet for
XYZ(89.1296, 100.0000, 87.7053)
contains.

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Color

**XYZ(87.4198, 96.5339,
87.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFE4
RGB	245, 255, 228
RGB Percent	96%, 100%, 89%
CMY	0.0392, 0.0000, 0.1059
CMYK	0.04, 0.00, 0.11, 0.00
HSL	82°, 100%, 95%
HSV	82°, 11%, 100%
XYZ	87.4198, 96.5339, 87.4242
YIQ	248.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

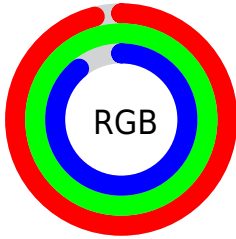
Format	Color
R_{YB}	228, 255, 238
Decimal	16121828
CIE _{Lab}	98.64, -7.90, 11.77
CIE _{LCh}	99, 14.180, 123.877
Yxy	96.5339, 0.3221, 0.3557
Android (android.graphics.Color)	4294311908 (0xFFFF5FFE4)
YUV	248.9320, -10.3195, -3.4484
Hunter-Lab	98.2517, -13.1194, 16.0200

Details

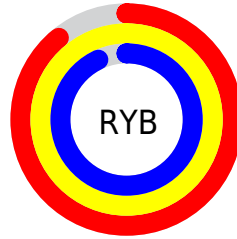
The XYZ color **87.4198, 96.5339, 87.4242** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.0541, 80.8852, 105.9481**, and the grayscale version is **90.0666, 94.7571, 103.1905**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7232, 54.2241, 47.4335** is the 20% darker color. If you saturate the color by 10%, you get **80.9255, 93.5653, 69.9839**, and if you desaturate by 10%, it is **94.6059, 99.7988, 107.6252**.

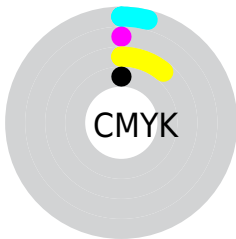
Distribution



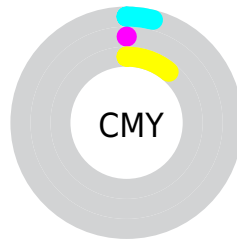
- Red (96%)
- Green (100%)
- Blue (89%)



- 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 87.4198, 96.5339, 87.4242 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 87.4198, 96.5339, 87.4242 by changing the saturation by 10% instead.


 87.4198, 96.5339,
87.4242

 87.4198, 96.5339,
87.4242


507.9652,
549.0640, 539.9681

 66.1719, 73.4123,
65.2847


142.6458,
156.3820, 145.6593

 48.6801, 54.3132,
47.2391


177.3545,
193.8774, 182.5920

 34.5793, 38.8521,
32.8691


217.2810,
236.9328, 225.2929

 23.5040, 26.6447,
21.7559

262.7904,
285.9326, 274.1804

 15.0888, 17.3065,
13.4810

314.2482,
341.2612, 329.6732

 8.9685, 10.4533,
7.6260

372.0196,

 4.7776, 5.7005,

403.3031, 392.1897

3.7723

436.4702,
472.4425, 462.1485

■ 2.1508, 2.6638,
1.5013

■ 0.7166, 0.9589,
0.2189

■ 87.4198, 96.5339,
87.4242

■ 87.4198, 96.5339,
87.4242

■ 80.9255, 93.5653,
69.9839

94.6059, 99.7988,
107.6252

■ 75.0957, 90.8815,
55.1799

95.0500, 100.0000,
108.9000

■ 69.9040, 88.4719,
42.8848

■ 65.3213, 86.3244,
32.9588

■ 61.3159, 84.4260,
25.2485

■ 57.8525, 82.7624,
19.5826

■ 54.8910, 81.3171,
15.7643

■ 52.3838, 80.0709,
13.5586

■ 50.3696, 79.0516,
12.6037

Harmonies

Analogous

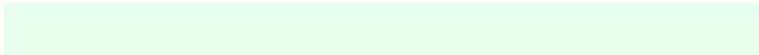
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2196, 96.5339, 84.1162



87.4198, 96.5339, 87.4242



84.8418, 96.5339, 95.4600

Triad

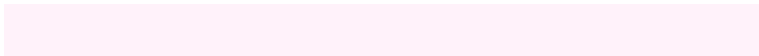
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4198, 96.5339, 87.4242



88.3185, 96.5339, 126.7560



99.8610, 96.5339, 103.5870

Complementary

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



87.4198, 96.5339, 87.4242



81.0541, 80.8852, 105.9481

Split Complementary

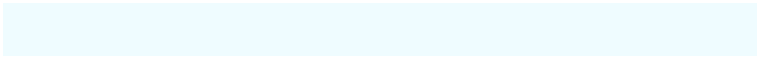
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0288, 96.5339, 115.3873



87.4198, 96.5339, 87.4242



92.2876, 96.5339, 129.3327

Square

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



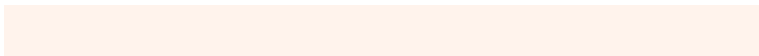
87.4198, 96.5339, 87.4242



85.3497, 96.5339, 118.2293



96.2262, 96.5339, 125.0311



98.4679, 96.5339, 92.9971

Rectangle

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



87.4198, 96.5339, 87.4242



84.1208, 96.5339, 102.7144



96.2262, 96.5339, 125.0311



99.8325, 96.5339, 107.5405

Sweetspot

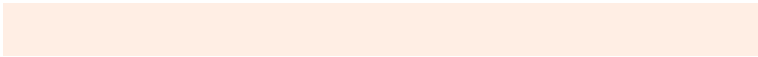
The Sweet Spot groups the original color and five complimentary colors.



87.4205, 96.5343, 87.4257



92.8079, 98.9836, 102.4934



85.7897, 87.9531, 85.8553



19.7388, 21.1294, 21.5806



0.0000, 0.0000, 0.0000



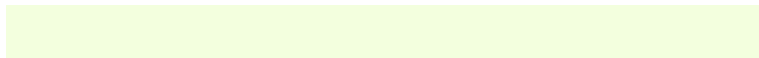
20.3446, 21.4041, 23.3091

Same Dimension

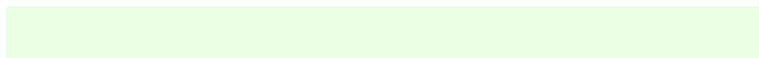
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4205, 96.5343, 87.4257



85.7913, 95.7913, 82.9698



82.9134, 94.2108, 87.2147



18.8709, 20.7349, 19.1520



26.4896, 41.3940, 6.5937



2.6999, 4.0926, 0.6477

Inverse Universe

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



81.0541, 80.8852, 105.9481



78.1049, 76.8968, 105.3337



85.7220, 83.2915, 106.1666



17.6384, 17.7053, 22.7378



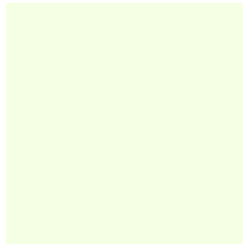
12.0175, 5.1057, 49.7867



1.2858, 0.5568, 4.8530

Previews

White Background



This preview shows how the XYZ color 87.4198, 96.5339, 87.4242 looks on a white background.

Color Contrast Check

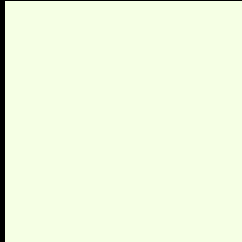
Large Text (above 18pt) WCAG AA × Fail

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 87.4198, 96.5339, 87.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

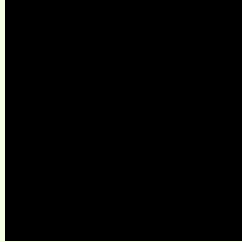
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

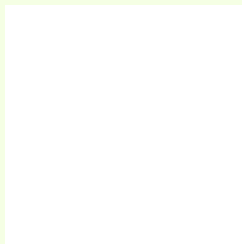
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.4198, 96.5339, 87.4242

Background



This preview shows how black text looks on a background with the XYZ color 87.4198, 96.5339, 87.4242.



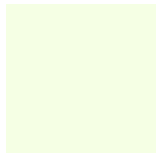
This preview shows how white text looks on a background with the XYZ color 87.4198, 96.5339,

87.442.

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

87.4198, 96.5339, 87.4242

Protanopia

91.7642, 96.6652, 97.8262

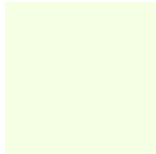
Deuteranopia

92.5245, 96.4708, 103.3667

Tritanopia

92.3308, 96.7236, 108.4109

Trichromacy



Original Color

87.4198, 96.5339, 87.4242



Protanomaly

89.8801, 96.2445, 93.9606



Deuteranomaly

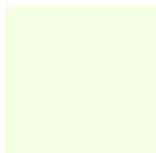
90.4712, 96.4809, 97.0734



Tritanomaly

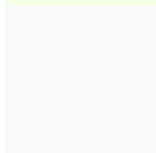
90.3588, 96.3531, 100.2218

Monochromacy



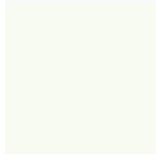
Original Color

87.4198, 96.5339, 87.4242



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 87.4198, 96.5339, 87.4242 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 87.4198, 96.5339, 87.4242 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, 228) }
```


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

```
.border{ border-color:rgb(245, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4198, 96.5339, 87.4242 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, 228) }
```

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

```
.background{ background-color: rgb(245,  
255, 228) }
```

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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