

Converting Colors

XYZ(87.2237, 88.9507, 81.4077)

Have a look what the booklet for
XYZ(87.2237, 88.9507, 81.4077)
contains.

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Color

**XYZ(84.9994, 87.6830,
81.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEDE
RGB	255, 238, 222
RGB Percent	100%, 93%, 87%
CMY	0.0000, 0.0666, 0.1294
CMYK	0.00, 0.07, 0.13, 0.00
HSL	29°, 100%, 94%
HSV	29°, 13%, 100%
XYZ	84.9994, 87.6830, 81.5518
YIQ	241.2590, 15.2680, -1.3720

Conversions

Conversions Part 2

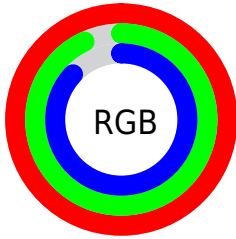
Format	Color
R _Y B	255, 253, 222
Decimal	16772830
CIE Lab	95.03, 3.16, 9.80
CIE LCh	95, 10.292, 72.147
Yxy	87.6830, 0.3343, 0.3449
Android (android.graphics.Color)	4294962910 (0xFFFFEEDF)
YUV	241.2590, -9.4947, 12.0509
Hunter-Lab	93.6392, -1.8382, 13.9109

Details

The XYZ color **84.9994, 87.6830, 81.5518** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.0400, 84.4803, 106.7482**, and the grayscale version is **83.8789, 88.2471, 96.1011**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9917, 48.2517, 43.3960** is the 20% darker color. If you saturate the color by 10%, you get **78.1521, 79.0506, 63.6637**, and if you desaturate by 10%, it is **92.6465, 97.0873, 102.2589**.

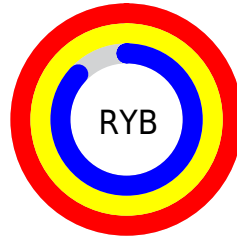
Distribution



Red (100%)

Green (93%)

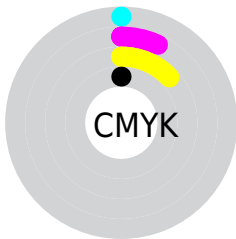
Blue (87%)



Red (100%)

Yellow (99%)

Blue (87%)

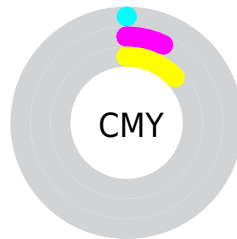


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.9994, 87.6830, 81.5518 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 84.9994, 87.6830, 81.5518 by changing the saturation by 10% instead.


 84.9994, 87.6830,
81.5518

 84.9994, 87.6830,
81.5518


500.1098,
520.4646, 519.9913

 64.1634, 66.0606,
60.4625

139.2864,
144.1157, 137.3763

 47.0452, 48.3216,
43.3638


173.4680,
179.6949, 172.9486

 33.2795, 34.0816,
29.8371

212.8289,
220.6950, 214.1857

 22.5009, 22.9563,
19.4640

257.7345,
267.5005, 261.5061

 14.3441, 14.5612,
11.8258

308.5500,
320.4958, 315.3283

 8.4437, 8.5120,
6.5041

365.6408,

 4.4343, 4.4243,

380.0653, 376.0708

3.0803

429.3723,
446.5935, 444.1523

■ 1.9506, 1.9136,
1.1358

■ 0.6060, 0.5566,
0.0000

■ 84.9994, 87.6830,
81.5518

■ 84.9994, 87.6830,
81.5518

■ 78.1521, 79.0506,
63.6637

■ 92.6465, 97.0873,
102.2589

■ 72.0698, 71.1582,
48.4654

95.0500, 100.0000,
108.9000

■ 66.7232, 63.9871,
35.8254

■ 62.0792, 57.5139,
25.5992

■ 58.1012, 51.7135,
17.6276

■ 54.7489, 46.5590,
11.7317

■ 51.9765, 42.0205,
7.7054

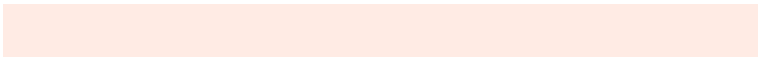
■ 49.7295, 38.0644,
5.2985

■ 48.4072, 35.5944,
4.3191

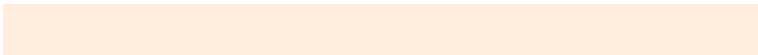
Harmonies

Analogous

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



87.3905, 87.6830, 85.5070



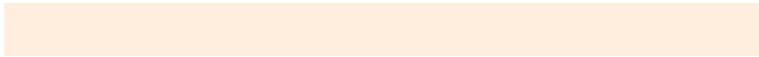
84.9994, 87.6830, 81.5518



82.2138, 87.6830, 81.1951

Triad

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



84.9994, 87.6830, 81.5518



78.1933, 87.6830, 98.7488



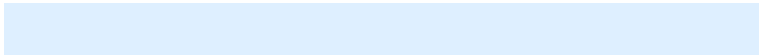
87.0004, 87.6830, 107.3503

Complementary

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



84.9994, 87.6830, 81.5518



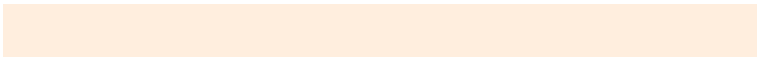
79.0400, 84.4803, 106.7482

Split Complementary

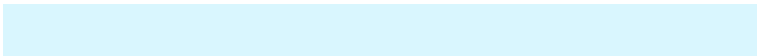
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4766, 87.6830, 111.3312



84.9994, 87.6830, 81.5518



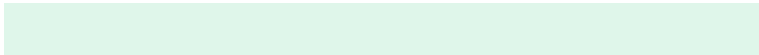
79.4167, 87.6830, 106.1823

Square

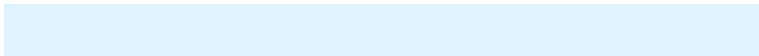
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9994, 87.6830, 81.5518



78.3262, 87.6830, 90.8282



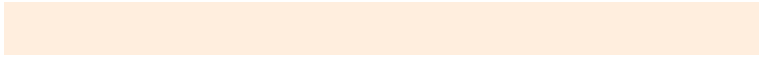
81.7025, 87.6830, 110.8922



88.5635, 87.6830, 100.2712

Rectangle

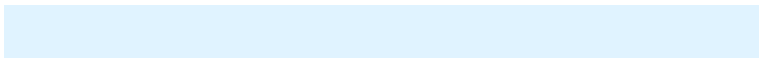
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9994, 87.6830, 81.5518



80.5117, 87.6830, 83.0183



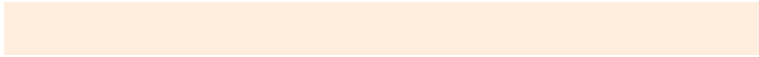
81.7025, 87.6830, 110.8922



86.2339, 87.6830, 109.1125

Sweetspot

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



85.0014, 87.6867, 81.5536



91.7980, 96.0545, 99.9283



82.9492, 79.7385, 92.7199



19.5208, 20.4038, 21.0388



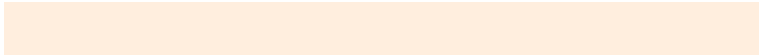
0.0000, 0.0000, 0.0000



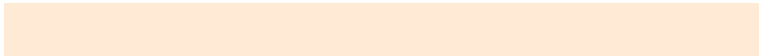
20.3446, 21.4041, 23.3091

Same Dimension

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



85.0014, 87.6867, 81.5536



82.8226, 84.9642, 75.7868



90.0099, 97.7036, 83.2231



18.7365, 19.4412, 18.9093



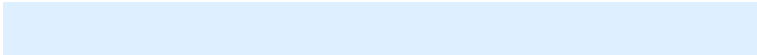
25.4419, 18.8950, 2.3062



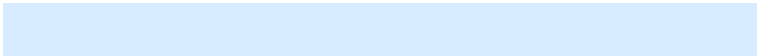
2.5860, 2.0574, 0.2608

Inverse Universe

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



79.0400, 84.4803, 106.7482



75.6090, 81.0842, 106.2735



74.4428, 75.2860, 105.2158



17.7767, 18.9250, 22.9659



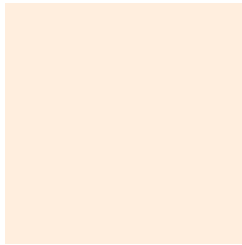
13.8454, 12.6004, 51.1370



1.4575, 1.4457, 5.0155

Previews

White Background



This preview shows how the XYZ color 84.9994, 87.6830, 81.5518 looks on a white background.

Color Contrast Check

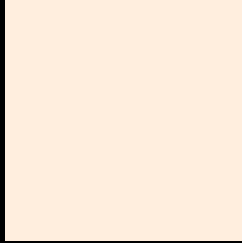
Large Text (above 18pt) WCAG AA × Fail

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 84.9994, 87.6830, 81.5518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

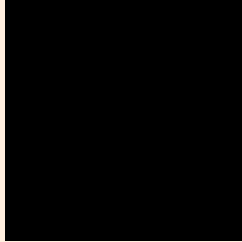
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.9994, 87.6830, 81.5518

Background



This preview shows how black text looks on a background with the XYZ color 84.9994, 87.6830, 81.5518.



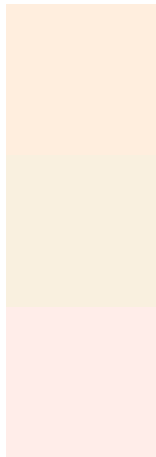
This preview shows how white text looks on a background with the XYZ color 84.9994, 87.6830,

81.5518.

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

84.9994, 87.6830, 81.5518

Protanopia

83.5463, 87.7876, 82.3534

Deuteranopia

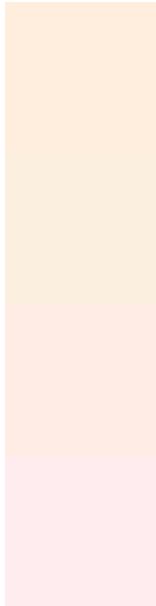
86.2322, 87.7116, 89.4759



Tritanopia

88.0472, 87.5162, 101.8743

Trichromacy



Original Color

84.9994, 87.6830, 81.5518

Protanomaly

83.9694, 87.5699, 82.2891

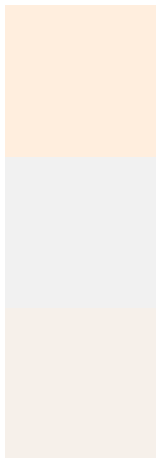
Deuteranomaly

85.6670, 87.4855, 86.5000

Tritanomaly

86.8154, 87.4829, 93.9716

Monochromacy



Original Color

84.9994, 87.6830, 81.5518

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.0174, 87.8535, 90.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9994, 87.6830, 81.5518 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(255, 238, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 222)  
}
```

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(255, 238, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 222) }
```

Border

The CSS property to change the border of an element to XYZ 84.9994, 87.6830, 81.5518 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(255, 238, 222) }
```


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

```
.border{ border-color:rgb(255, 238, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9994, 87.6830, 81.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 222) }
```

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

```
.background{ background-color: rgb(255,  
238, 222) }
```

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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