

Converting Colors

XYZ(85.5477, 87.1007, 82.5108)

Have a look what the booklet for
XYZ(85.5477, 87.1007, 82.5108)
contains.

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Color

**XYZ(84.6900, 86.6327,
82.7792)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECE0
RGB	255, 236, 224
RGB Percent	100%, 93%, 88%
CMY	0.0000, 0.0745, 0.1216
CMYK	0.00, 0.07, 0.12, 0.00
HSL	23°, 100%, 94%
HSV	23°, 12%, 100%
XYZ	84.6900, 86.6327, 82.7792
YIQ	240.3130, 15.1760, 0.2960

Conversions

Conversions Part 2

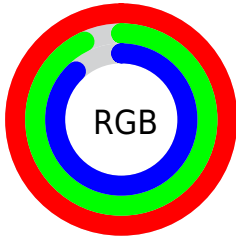
Format	Color
R _Y B	255, 244, 224
Decimal	16772320
CIE Lab	94.58, 4.49, 8.12
CIE LCh	95, 9.280, 61.074
Yxy	86.6327, 0.3333, 0.3409
Android (android.graphics.Color)	4294962400 (0xFFFFE0E0)
YUV	240.3130, -8.0423, 12.8805
Hunter-Lab	93.0767, -0.4680, 12.4232

Details

The XYZ color **84.6900, 86.6327, 82.7792** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8403, 87.1662, 107.1718**, and the grayscale version is **83.1241, 87.4530, 95.2363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7714, 47.5129, 44.2419** is the 20% darker color. If you saturate the color by 10%, you get **77.1844, 76.7471, 64.4757**, and if you desaturate by 10%, it is **93.1119, 97.5202, 103.9492**.

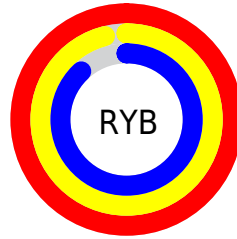
Distribution



Red (100%)

Green (93%)

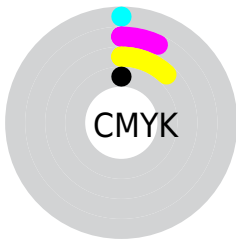
Blue (88%)



Red (100%)

Yellow (96%)

Blue (88%)

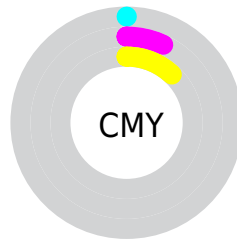


Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.6900, 86.6327, 82.7792 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 84.6900, 86.6327, 82.7792 by changing the saturation by 10% instead.


 84.6900, 86.6327,
82.7792

 84.6900, 86.6327,
82.7792


499.1009,
517.0152, 524.2021

 63.9069, 65.1913,
61.4685


138.8562,
142.6521, 139.1126

 46.8367, 47.6162,
44.1703


172.9701,
177.9988, 174.9724

 33.1140, 33.5231,
30.4663

212.2582,
218.7495, 216.5190

 22.3734, 22.5274,
19.9377

257.0860,
265.2884, 264.1708

 14.2497, 14.2450,
12.1661

307.8189,
318.0001, 318.3465

 8.3774, 8.2912,
6.7330

364.8220,

 4.3912, 4.2819,

377.2688, 379.4646

3.2198

428.4609,
443.4791, 447.9436

■ 1.9257, 1.8325,
1.2079

■ 0.5917, 0.5073,
0.0000

■ 84.6900, 86.6327,
82.7792

■ 84.6900, 86.6327,
82.7792

■ 77.1844, 76.7471,
64.4757

■ 93.1119, 97.5202,
103.9492

■ 70.5561, 67.8233,
48.9086

95.0500, 100.0000,
108.9000

■ 64.7718, 59.8341,
35.9460

■ 59.7938, 52.7469,
25.4426

■ 55.5812, 46.5271,
17.2390

■ 52.0886, 41.1374,
11.1565

■ 49.2653, 36.5371,
6.9894

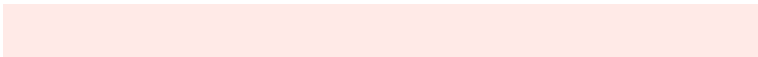
■ 47.0515, 32.6809,
4.4901

■ 45.6783, 30.1365,
3.4094

Harmonies

Analogous

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



86.5301, 86.6327, 87.3962



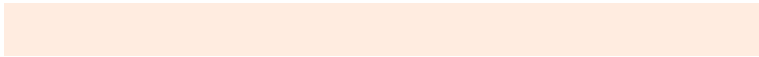
84.6900, 86.6327, 82.7792



82.2517, 86.6327, 81.2163

Triad

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



84.6900, 86.6327, 82.7792



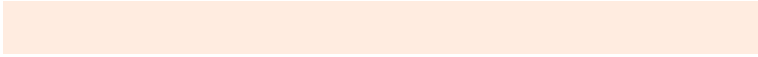
77.6262, 86.6327, 94.5866



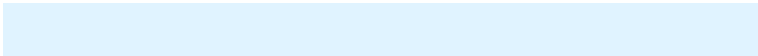
84.8491, 86.6327, 106.6242

Complementary

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



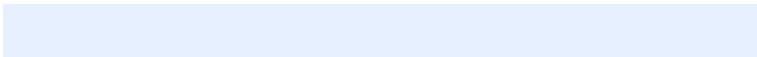
84.6900, 86.6327, 82.7792



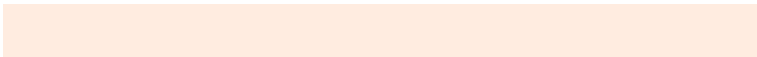
80.8403, 87.1662, 107.1718

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.



82.4319, 86.6327, 108.7807



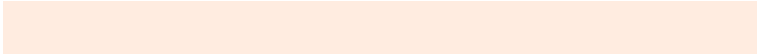
84.6900, 86.6327, 82.7792



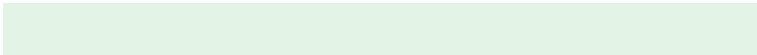
78.2908, 86.6327, 101.6175

Square

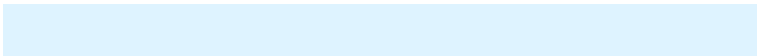
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6900, 86.6327, 82.7792



78.2037, 86.6327, 87.8217



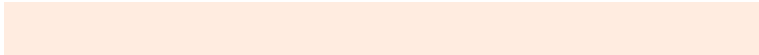
80.0374, 86.6327, 106.9045



86.6233, 86.6327, 101.1485

Rectangle

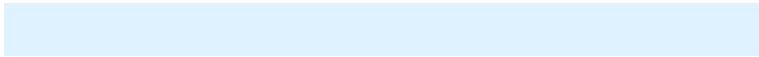
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6900, 86.6327, 82.7792



80.6246, 86.6327, 82.0506



80.0374, 86.6327, 106.9045



84.0832, 86.6327, 107.7734

Sweetspot

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



84.6920, 86.6363, 82.7810



91.4894, 95.4373, 99.8254



84.0915, 81.0504, 96.0992



19.4428, 20.2477, 21.0128



0.0000, 0.0000, 0.0000



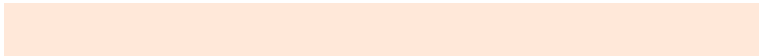
20.3446, 21.4041, 23.3091

Same Dimension

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



84.6920, 86.6363, 82.7810



82.4655, 83.7240, 77.2892



89.3119, 95.8762, 84.3210



18.5861, 19.1405, 18.8592



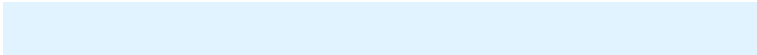
24.0018, 16.0148, 1.8261



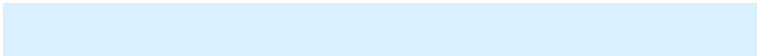
2.4391, 1.7636, 0.2119

Inverse Universe

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



80.8403, 87.1662, 107.1718



77.8063, 84.3640, 106.7908



76.4295, 78.3446, 105.7015



17.9296, 19.2309, 23.0169



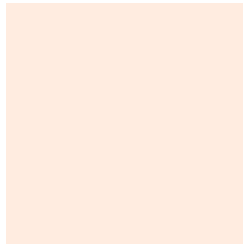
15.8146, 16.5388, 51.7934



1.6459, 1.8225, 5.0783

Previews

White Background



This preview shows how the XYZ color 84.6900, 86.6327, 82.7792 looks on a white background.

Color Contrast Check

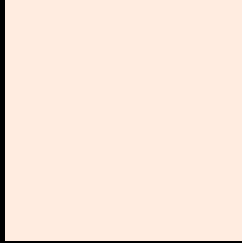
Large Text (above 18pt) WCAG AA × Fail

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 84.6900, 86.6327, 82.7792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

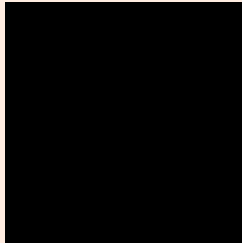
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6900, 86.6327, 82.7792

Background



This preview shows how black text looks on a background with the XYZ color 84.6900, 86.6327, 82.7792.



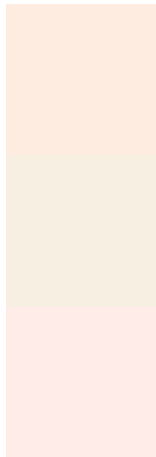
This preview shows how white text looks on a background with the XYZ color 84.6900, 86.6327,

82.7792.

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

84.6900, 86.6327, 82.7792

Protanopia

82.8149, 86.9434, 83.6511

Deuteranopia

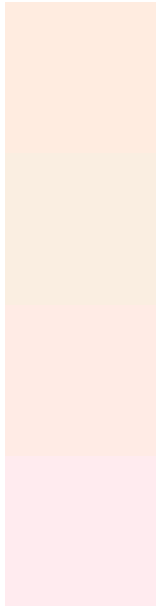
85.5138, 86.5029, 88.5336



Tritanopia

87.6061, 86.8829, 100.9597

Trichromacy



Original Color

84.6900, 86.6327, 82.7792

Protanomaly

83.5895, 86.9093, 83.6037

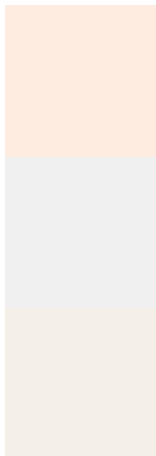
Deuteranomaly

85.0912, 86.3338, 86.3080

Tritanomaly

86.5283, 86.9087, 93.8759

Monochromacy



Original Color

84.6900, 86.6327, 82.7792

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.3740, 87.0860, 90.2569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6900, 86.6327, 82.7792 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, 236, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 224)  
}
```

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, 236, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 224) }
```

Border

The CSS property to change the border of an element to XYZ 84.6900, 86.6327, 82.7792 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, 236, 224) }
```


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

```
.border{ border-color:rgb(255, 236, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6900, 86.6327, 82.7792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 224) }
```

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

```
.background{ background-color: rgb(255,  
236, 224) }
```

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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