

Converting Colors

XYZ(84.3428, 85.8514, 82.9314)

Have a look what the booklet for
XYZ(84.3428, 85.8514, 82.9314)
contains.

XYZ(84.4029, 86.0585, 82.6834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.4029, 86.0585,
82.6834)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBE0
RGB	255, 235, 224
RGB Percent	100%, 92%, 88%
CMY	0.0000, 0.0784, 0.1216
CMYK	0.00, 0.08, 0.12, 0.00
HSL	21°, 100%, 94%
HSV	21°, 12%, 100%
XYZ	84.4029, 86.0585, 82.6834
YIQ	239.7260, 15.4510, 0.8190

Conversions

Conversions Part 2

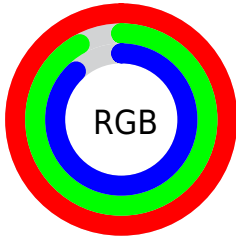
Format	Color
R _Y B	255, 241, 224
Decimal	16772064
CIE Lab	94.34, 5.00, 7.77
CIE LCh	94, 9.240, 57.242
Yxy	86.0585, 0.3334, 0.3400
Android (android.graphics.Color)	4294962144 (0xFFFFE0)
YUV	239.7260, -7.7529, 13.3953
Hunter-Lab	92.7677, 0.0612, 12.0925

Details

The XYZ color **84.4029, 86.0585, 82.6834** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.1403, 87.7662, 107.2718**, and the grayscale version is **82.6622, 86.9671, 94.7071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5702, 47.1105, 44.1748** is the 20% darker color. If you saturate the color by 10%, you get **76.7076, 75.7935, 64.3166**, and if you desaturate by 10%, it is **93.0563, 97.4090, 103.9305**.

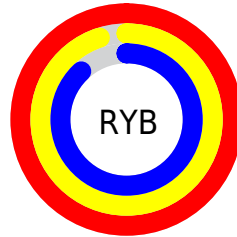
Distribution



Red (100%)

Green (92%)

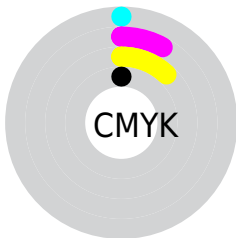
Blue (88%)



Red (100%)

Yellow (95%)

Blue (88%)

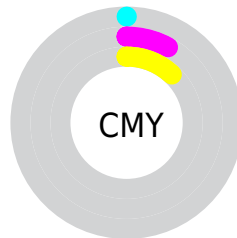


Cyan (0%)

Magenta (8%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4029, 86.0585, 82.6834 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 84.4029, 86.0585, 82.6834 by changing the saturation by 10% instead.


 84.4029, 86.0585,
82.6834

 84.4029, 86.0585,
82.6834


498.1637,
515.1241, 523.8741

 63.6690, 64.7163,
61.3899


138.4570,
141.8511, 138.9772

 46.6433, 47.2311,
44.1073


172.5078,
177.0704, 174.8146

 32.9605, 33.2184,
30.4171


211.7284,
217.6841, 216.3371

 22.2553, 22.2938,
19.9006

256.4839,
264.0768, 263.9631

 14.1623, 14.0729,
12.1395

307.1399,
316.6327, 318.1113

 8.3161, 8.1714,
6.7150

364.0616,

 4.3513, 4.2048,

375.7363, 379.2002

3.2088

427.6144,
441.7720, 447.6483

■ 1.9028, 1.7888,
1.2022

■ 0.5784, 0.4802,
0.0000

■ 84.4029, 86.0585,
82.6834

■ 84.4029, 86.0585,
82.6834

■ 76.7076, 75.7935,
64.3166

■ 93.0563, 97.4090,
103.9305

■ 69.9296, 66.5705,
48.6997

95.0500, 100.0000,
108.9000

■ 64.0341, 58.3587,
35.7000

■ 58.9812, 51.1217,
25.1717

■ 54.7280, 44.8207,
16.9546

■ 51.2269, 39.4140,
10.8692

■ 48.4247, 34.8561,
6.7092

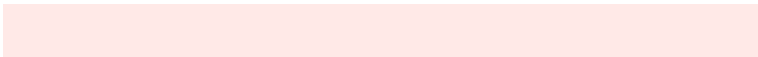
■ 46.2591, 31.0961,
4.2259

■ 44.9407, 28.6614,
3.1636

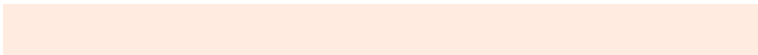
Harmonies

Analogous

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



86.1084, 86.0585, 87.5910



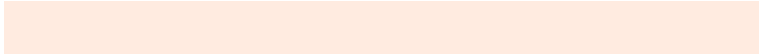
84.4029, 86.0585, 82.6834



82.0256, 86.0585, 80.7161

Triad

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



84.4029, 86.0585, 82.6834



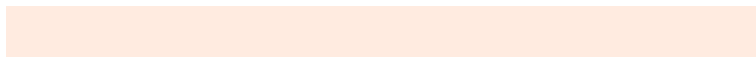
77.1259, 86.0585, 93.0476



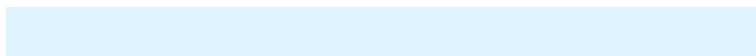
83.9978, 86.0585, 106.3742

Complementary

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



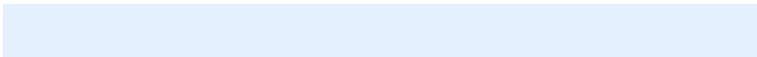
84.4029, 86.0585, 82.6834



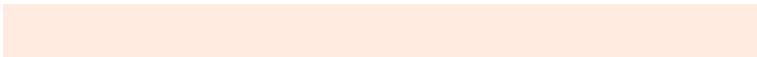
81.1403, 87.7662, 107.2718

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.



81.5668, 86.0585, 108.0134



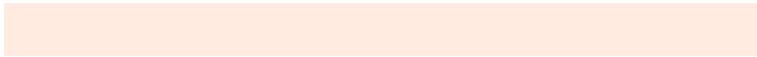
84.4029, 86.0585, 82.6834



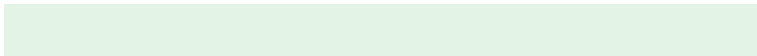
77.6301, 86.0585, 100.0930

Square

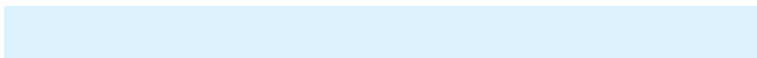
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4029, 86.0585, 82.6834



77.8519, 86.0585, 86.5076



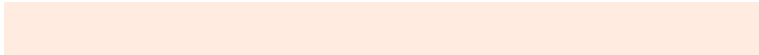
79.2434, 86.0585, 105.6608



85.8712, 86.0585, 101.2869

Rectangle

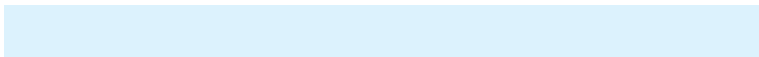
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4029, 86.0585, 82.6834



80.3910, 86.0585, 81.2584



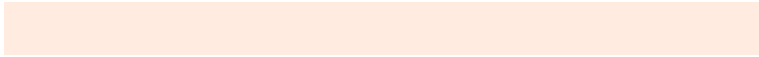
79.2434, 86.0585, 105.6608



83.2173, 86.0585, 107.3575

Sweetspot

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



84.4049, 86.0621, 82.6852



91.3879, 95.2344, 99.7916



84.2481, 81.1130, 96.9239



19.4171, 20.1965, 21.0043



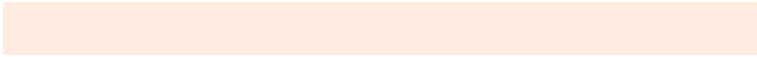
0.0000, 0.0000, 0.0000



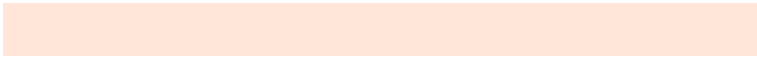
20.3446, 21.4041, 23.3091

Same Dimension

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



84.4049, 86.0621, 82.6852



82.1203, 83.0336, 77.1742



88.9893, 95.2310, 84.2134



18.5370, 19.0421, 18.8428



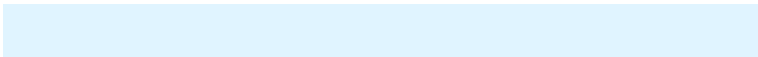
23.6095, 15.2303, 1.6954



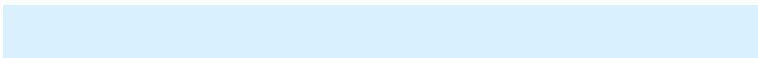
2.3973, 1.6799, 0.1979

Inverse Universe

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



81.1403, 87.7662, 107.2718



78.1711, 85.0936, 106.9124



76.7139, 78.9135, 105.7963



17.9805, 19.3327, 23.0339



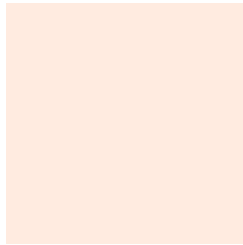
16.5587, 18.0269, 52.0414



1.7154, 1.9614, 5.1015

Previews

White Background



This preview shows how the XYZ color 84.4029, 86.0585, 82.6834 looks on a white background.

Color Contrast Check

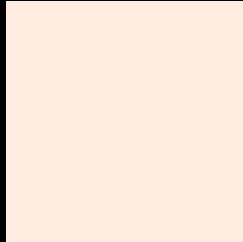
Large Text (above 18pt) WCAG AA × Fail

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 84.4029, 86.0585, 82.6834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

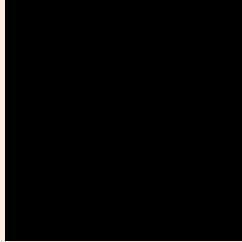
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

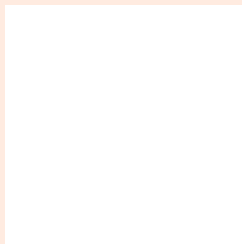
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.4029, 86.0585, 82.6834

Background



This preview shows how black text looks on a background with the XYZ color 84.4029, 86.0585, 82.6834.



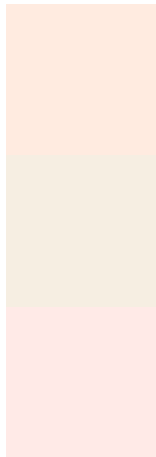
This preview shows how white text looks on a background with the XYZ color 84.4029, 86.0585,

82.6834.

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

84.4029, 86.0585, 82.6834

Protanopia

82.3080, 86.2329, 84.2580

Deuteranopia

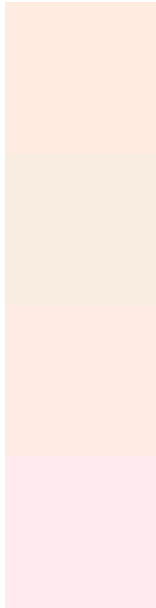
85.0866, 85.8752, 87.6923



Tritanopia

87.1674, 86.2532, 100.0500

Trichromacy



Original Color

84.4029, 86.0585, 82.6834

Protanomaly

82.9417, 86.1444, 83.4902

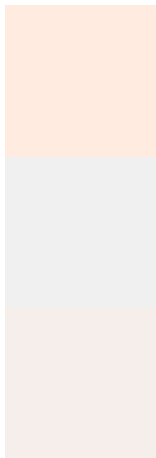
Deuteranomaly

84.6664, 85.7071, 85.4795

Tritanomaly

86.2428, 86.3376, 93.7807

Monochromacy



Original Color

84.4029, 86.0585, 82.6834

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.0820, 86.5021, 90.1596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4029, 86.0585, 82.6834 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, 235, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 224) }
```

Border

The CSS property to change the border of an element to XYZ 84.4029, 86.0585, 82.6834 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, 235, 224) }
```


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

```
.border{ border-color:rgb(255, 235, 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, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4029, 86.0585, 82.6834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 224) }
```

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

```
.background{ background-color: rgb(255,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor