

Converting Colors

XYZ(84.7971, 86.5931, 83.5972)

Have a look what the booklet for
XYZ(84.7971, 86.5931, 83.5972)
contains.

XYZ(84.8261, 86.6871, 83.4956)	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(84.8261, 86.6871,
83.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECE1
RGB	255, 236, 225
RGB Percent	100%, 93%, 88%
CMY	0.0000, 0.0745, 0.1176
CMYK	0.00, 0.07, 0.12, 0.00
HSL	22°, 100%, 94%
HSV	22°, 12%, 100%
XYZ	84.8261, 86.6871, 83.4956
YIQ	240.4270, 14.8550, 0.6070

Conversions

Conversions Part 2

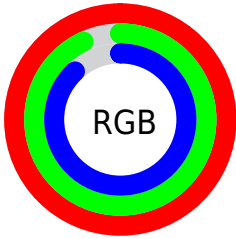
Format	Color
R _Y B	255, 242, 225
Decimal	16772321
CIE Lab	94.61, 4.65, 7.64
CIE LCh	95, 8.939, 58.683
Yxy	86.6871, 0.3326, 0.3399
Android (android.graphics.Color)	4294962401 (0xFFFFECE1)
YUV	240.4270, -7.6055, 12.7805
Hunter-Lab	93.1059, -0.3091, 12.0040

Details

The XYZ color **84.8261, 86.6871, 83.4956** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4513, 87.9266, 107.2863**, and the grayscale version is **83.2103, 87.5437, 95.3351**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8657, 47.5506, 44.7383** is the 20% darker color. If you saturate the color by 10%, you get **77.1637, 76.5199, 65.0416**, and if you desaturate by 10%, it is **93.4322, 97.9098, 104.8296**.

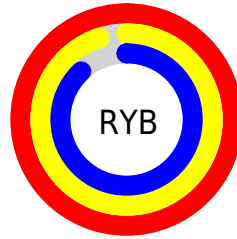
Distribution



Red (100%)

Green (93%)

Blue (88%)



Red (100%)

Yellow (95%)

Blue (88%)

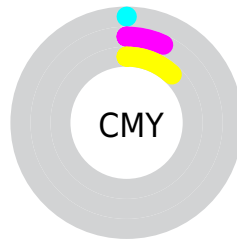


Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.8261, 86.6871, 83.4956 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 84.8261, 86.6871, 83.4956 by changing the saturation by 10% instead.


 84.8261, 86.6871,
83.4956

 84.8261, 86.6871,
83.4956


499.5448,
517.1941, 526.6509

 64.0197, 65.2363,
62.0561


139.0455,
142.7279, 140.1248

 46.9284, 47.6527,
44.6419


173.1892,
178.0867, 176.1516

 33.1868, 33.5519,
30.8346

212.5093,
218.8504, 217.8779

 22.4295, 22.5496,
20.2155

257.3713,
265.4032, 265.7222

 14.2912, 14.2613,
12.3662

308.1405,
318.1295, 320.1032

 8.4065, 8.3026,
6.8680

365.1823,

 4.4101, 4.2892,

377.4139, 381.4393

3.3025

428.8619,
443.6406, 450.1490

■ 1.9367, 1.8366,
1.2511

■ 0.5980, 0.5098,
0.0212

■ 84.8261, 86.6871,
83.4956

■ 84.8261, 86.6871,
83.4956

■ 77.1637, 76.5199,
65.0416

■ 93.4322, 97.9098,
104.8296

■ 70.4052, 67.3661,
49.3375

95.0500, 100.0000,
108.9000

■ 64.5163, 59.1964,
36.2513

■ 59.4581, 51.9759,
25.6380

■ 55.1886, 45.6674,
17.3382

■ 51.6614, 40.2311,
11.1737

■ 48.8242, 35.6235,
6.9396

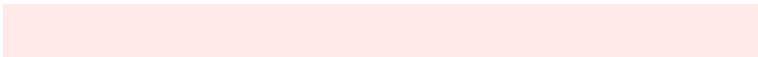
■ 46.6163, 31.7961,
4.3899

■ 45.2021, 29.1842,
3.2507

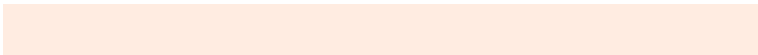
Harmonies

Analogous

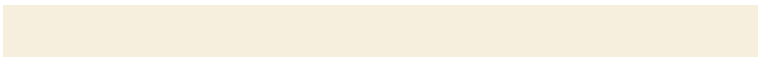
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5268, 86.6871, 88.1587



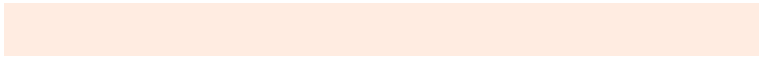
84.8261, 86.6871, 83.4956



82.5000, 86.6871, 81.7293

Triad

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



84.8261, 86.6871, 83.4956



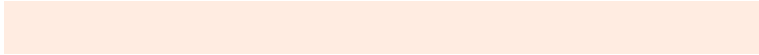
77.8462, 86.6871, 94.0828



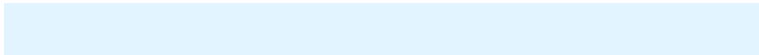
84.6382, 86.6871, 106.5180

Complementary

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



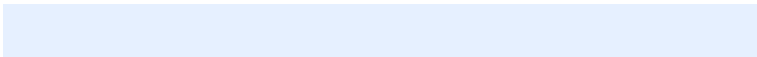
84.8261, 86.6871, 83.4956



81.4513, 87.9266, 107.2863

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.



82.2870, 86.6871, 108.2895



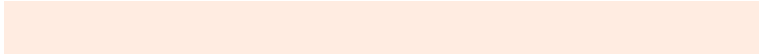
84.8261, 86.6871, 83.4956



78.3939, 86.6871, 100.9030

Square

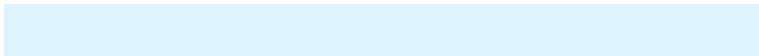
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8261, 86.6871, 83.4956



78.4970, 86.6871, 87.6549



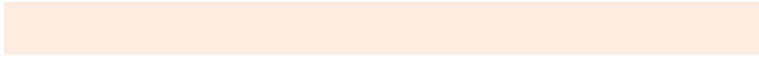
80.0078, 86.6871, 106.1877



86.4169, 86.6871, 101.4563

Rectangle

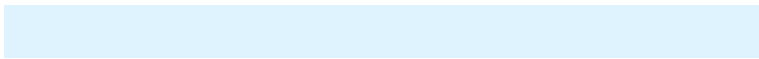
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8261, 86.6871, 83.4956



80.9177, 86.6871, 82.3632



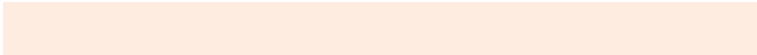
80.0078, 86.6871, 106.1877



83.8871, 86.6871, 107.5286

Sweetspot

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



84.8280, 86.6907, 83.4974



91.4251, 95.3087, 99.8040



84.4949, 81.6430, 96.8938



19.4265, 20.2153, 21.0074



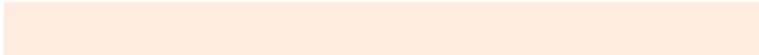
0.0000, 0.0000, 0.0000



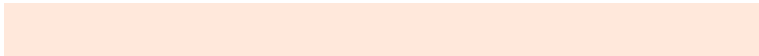
20.3446, 21.4041, 23.3091

Same Dimension

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



84.8280, 86.6907, 83.4974



83.0339, 84.3266, 79.1254



89.3281, 95.6908, 84.9975



18.5550, 19.0781, 18.8488



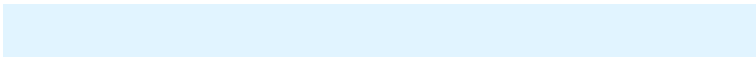
23.7487, 15.5087, 1.7418



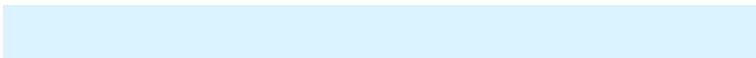
2.4122, 1.7098, 0.2029

Inverse Universe

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



81.4513, 87.9266, 107.2863



79.0774, 85.7739, 106.9959



77.1216, 79.2673, 105.8431



17.9618, 19.2953, 23.0276



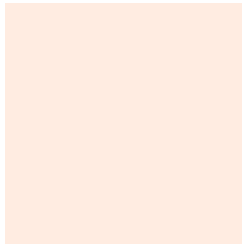
16.2803, 17.4701, 51.9486



1.6895, 1.9096, 5.0928

Previews

White Background



This preview shows how the XYZ color 84.8261, 86.6871, 83.4956 looks on a white background.

Color Contrast Check

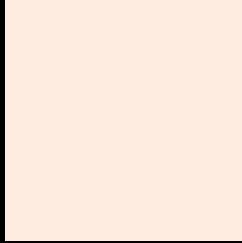
Large Text (above 18pt) WCAG AA × Fail

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 84.8261, 86.6871, 83.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

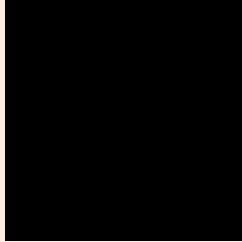
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.8261, 86.6871, 83.4956

Background



This preview shows how black text looks on a background with the XYZ color 84.8261, 86.6871, 83.4956.



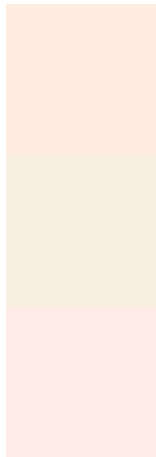
This preview shows how white text looks on a background with the XYZ color 84.8261, 86.6871,

83.4956.

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

84.8261, 86.6871, 83.4956

Protanopia

82.9517, 86.9981, 84.3718

Deuteranopia

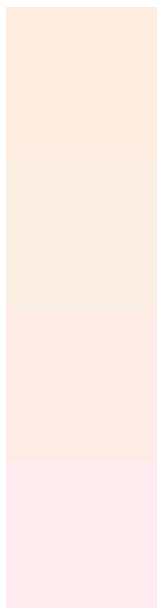
85.5138, 86.5029, 88.5336



Tritanopia

87.6061, 86.8829, 100.9597

Trichromacy



Original Color

84.8261, 86.6871, 83.4956

Protanomaly

83.7263, 86.9641, 84.3244

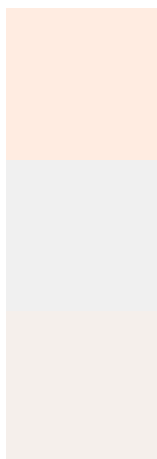
Deuteranomaly

85.0912, 86.3338, 86.3080

Tritanomaly

86.6765, 86.9679, 94.6562

Monochromacy



Original Color

84.8261, 86.6871, 83.4956

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.5181, 87.1436, 91.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8261, 86.6871, 83.4956 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 225) }
```

Border

The CSS property to change the border of an element to XYZ 84.8261, 86.6871, 83.4956 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, 225) }
```


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

```
.border{ border-color:rgb(255, 236, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8261, 86.6871, 83.4956 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
236, 225) }
```

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