

Converting Colors

XYZ(100.2045, 94.9158,
87.0084)

Have a look what the booklet for
XYZ(100.2045, 94.9158, 87.0084)
contains.

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Color

**XYZ(85.6670, 87.4855,
86.5000)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDE5
RGB	255, 237, 229
RGB Percent	100%, 93%, 90%
CMY	0.0000, 0.0706, 0.1020
CMYK	0.00, 0.07, 0.10, 0.00
HSL	18°, 100%, 95%
HSV	18°, 10%, 100%
XYZ	85.6670, 87.4855, 86.5000
YIQ	241.4700, 13.2960, 1.3280

Conversions

Conversions Part 2

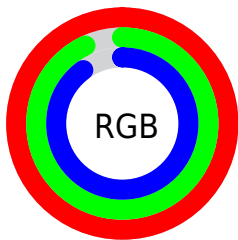
Format	Color
R_{YB}	255, 241, 229
Decimal	16772581
CIE _{Lab}	94.94, 4.77, 6.05
CIE _{LCh}	95, 7.707, 51.734
Yxy	87.4855, 0.3299, 0.3369
Android (android.graphics.Color)	4294962661 (0xFFFFE5E5)
YUV	241.4700, -6.1477, 11.8658
Hunter-Lab	93.5337, -0.1968, 10.6422

Details

The XYZ color **85.6670, 87.4855, 86.5000** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6231, 90.3971, 107.6487**, and the grayscale version is **84.0208, 88.3965, 96.2638**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4526, 48.1095, 46.8294** is the 20% darker color. If you saturate the color by 10%, you get **77.5042, 76.4454, 67.4844**, and if you desaturate by 10%, it is **94.8599, 99.7481, 108.4414**.

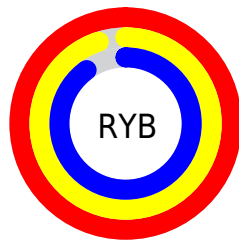
Distribution



Red (100%)

Green (93%)

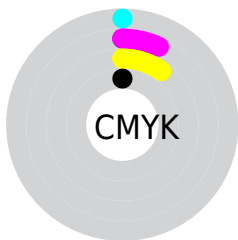
Blue (90%)



Red (100%)

Yellow (95%)

Blue (90%)

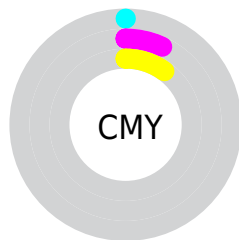


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6670, 87.4855, 86.5000 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 85.6670, 87.4855, 86.5000 by changing the saturation by 10% instead.


 85.6670, 87.4855,
86.5000

 85.6670, 87.4855,
86.5000


502.2830,
519.8169, 536.8519

 64.7170, 65.8971,
64.5242


140.2139,
143.8407, 144.3597

 47.4955, 48.1888,
46.6265

174.5416,
179.3761, 181.0808

 33.6371, 33.9765,
32.3883

214.0591,
220.3295, 223.5540

 22.7765, 22.8755,
21.3910

259.1319,
267.0850, 272.1980

 14.5484, 14.5016,
13.2161

310.1254,
320.0271, 327.4312

 8.5873, 8.4704,
7.4450

367.4048,

 4.5279, 4.3974,

379.5402, 389.6723

3.6593

431.3356,
446.0086, 459.3397

■ 2.0049, 1.8982,
1.4404

■ 0.6367, 0.5473,
0.1729

■ 85.6670, 87.4855,
86.5000

■ 85.6670, 87.4855,
86.5000

■ 77.5042, 76.4454,
67.4844

94.8599, 99.7481,
108.4414

■ 70.3282, 66.5787,
51.2647

95.0500, 100.0000,
108.9000

■ 64.1015, 57.8490,
37.7091

■ 58.7818, 50.2142,
26.6734

■ 54.3233, 43.6288,
17.9993

■ 50.6759, 38.0446,
11.5102

■ 47.7835, 33.4085,
7.0047

■ 45.5814, 29.6621,
4.2427

■ 44.0008, 26.7815,
2.8503

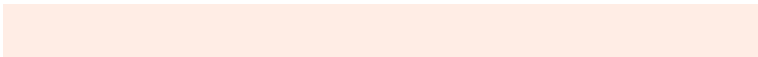
Harmonies

Analogous

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



86.9429, 87.4855, 91.0566



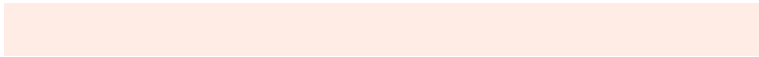
85.6670, 87.4855, 86.5000



83.7316, 87.4855, 84.3112

Triad

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



85.6670, 87.4855, 86.5000



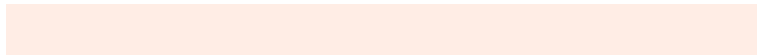
79.2370, 87.4855, 93.6112



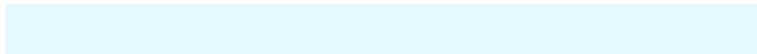
84.6499, 87.4855, 106.3571

Complementary

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



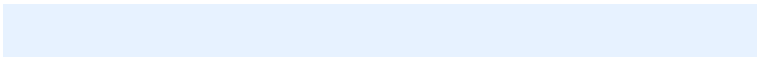
85.6670, 87.4855, 86.5000



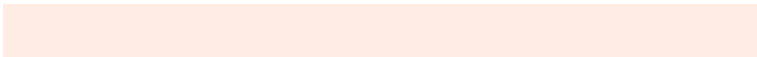
83.6231, 90.3971, 107.6487

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.



82.5757, 87.4855, 107.1110



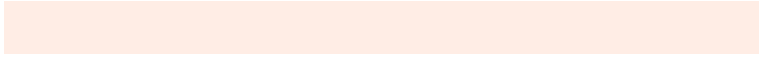
85.6670, 87.4855, 86.5000



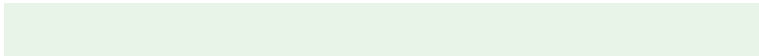
79.4736, 87.4855, 99.5842

Square

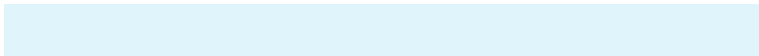
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6670, 87.4855, 86.5000



80.0357, 87.4855, 88.3029



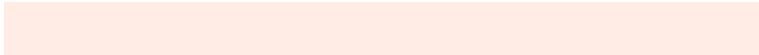
80.6874, 87.4855, 104.5856



86.3489, 87.4855, 102.5666

Rectangle

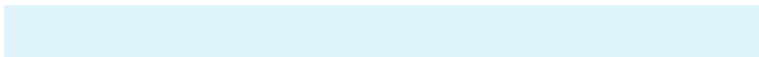
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6670, 87.4855, 86.5000



82.3374, 87.4855, 84.4228



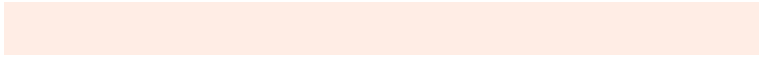
80.6874, 87.4855, 104.5856



83.9726, 87.4855, 106.9802

Sweetspot

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



85.6691, 87.4892, 86.5019



92.1767, 96.1852, 101.9865



86.0793, 84.0274, 99.8400



19.5687, 20.3734, 21.4437



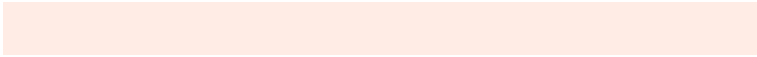
0.0000, 0.0000, 0.0000



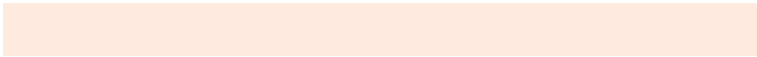
20.3446, 21.4041, 23.3091

Same Dimension

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



85.6691, 87.4892, 86.5019



84.1208, 85.4074, 82.8574



89.5067, 95.1644, 87.7811



18.4655, 18.8991, 18.8190



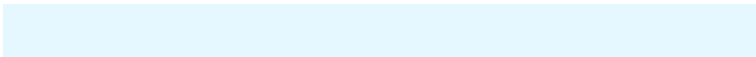
23.1067, 14.2247, 1.5278



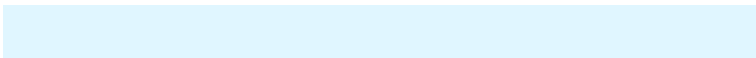
2.3418, 1.5689, 0.1794

Inverse Universe

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



83.6231, 90.3971, 107.6487



81.7424, 88.7869, 107.4370



79.8438, 82.8387, 106.3890



18.0553, 19.4822, 23.0588



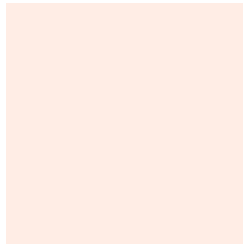
17.7327, 20.3750, 52.4327



1.8236, 2.1778, 5.1375

Previews

White Background



This preview shows how the XYZ color 85.6670, 87.4855, 86.5000 looks on a white background.

Color Contrast Check

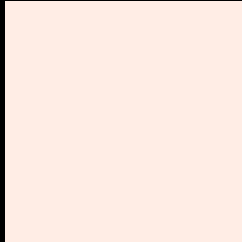
Large Text (above 18pt) WCAG AA × Fail

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 85.6670, 87.4855, 86.5000 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 85.6670, 87.4855, 86.5000

Background



This preview shows how black text looks on a background with the XYZ color 85.6670, 87.4855, 86.5000.



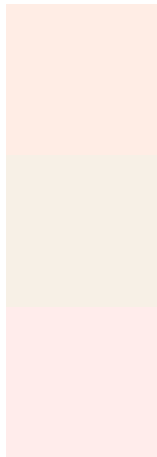
This preview shows how white text looks on a background with the XYZ color 85.6670, 87.4855,

86.500.

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

85.6670, 87.4855, 86.5000

Protanopia

83.8008, 87.8075, 87.3947

Deuteranopia

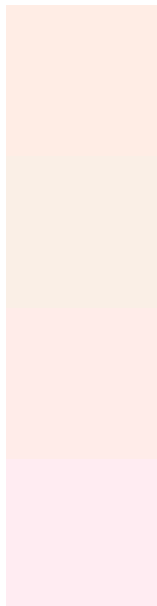
86.2308, 87.2491, 90.8932



Tritanopia

88.2036, 87.5788, 102.6980

Trichromacy



Original Color

85.6670, 87.4855, 86.5000

Protanomaly

84.5738, 87.7702, 87.3467

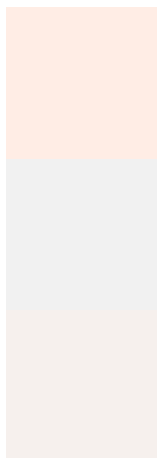
Deuteranomaly

85.9434, 87.1341, 89.3797

Tritanomaly

87.2625, 87.6617, 96.3256

Monochromacy



Original Color

85.6670, 87.4855, 86.5000

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.4522, 88.0274, 92.6606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6670, 87.4855, 86.5000 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, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 229)  
}
```

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, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 229) }
```

Border

The CSS property to change the border of an element to XYZ 85.6670, 87.4855, 86.5000 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, 237, 229) }
```


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

```
.border{ border-color:rgb(255, 237, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6670, 87.4855, 86.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 229) }
```

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

```
.background{ background-color: rgb(255,  
237, 229) }
```

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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