

Converting Colors

XYZ(85.3345, 86.8868, 86.2657)

Have a look what the booklet for
XYZ(85.3345, 86.8868, 86.2657)
contains.

XYZ(85.3783, 86.9080, 86.4038)	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(85.3783, 86.9080,
86.4038)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECE5
RGB	255, 236, 229
RGB Percent	100%, 93%, 90%
CMY	0.0000, 0.0745, 0.1020
CMYK	0.00, 0.07, 0.10, 0.00
HSL	16°, 100%, 95%
HSV	16°, 10%, 100%
XYZ	85.3783, 86.9080, 86.4038
YIQ	240.8830, 13.5710, 1.8510

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 239, 229
Decimal	16772325
CIE Lab	94.70, 5.28, 5.70
CIE LCh	95, 7.771, 47.157
Yxy	86.9080, 0.3300, 0.3360
Android (android.graphics.Color)	4294962405 (0xFFFFE5E5)
YUV	240.8830, -5.8583, 12.3806
Hunter-Lab	93.2245, 0.3339, 10.3050

Details

The XYZ color **85.3783, 86.9080, 86.4038** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9298, 91.0105, 107.7510**, and the grayscale version is **83.5560, 87.9074, 95.7312**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2499, 47.7043, 46.7619** is the 20% darker color. If you saturate the color by 10%, you get **76.9893, 75.4156, 67.3128**, and if you desaturate by 10%, it is **94.8539, 99.7359, 108.4394**.

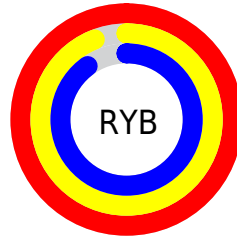
Distribution



Red (100%)

Green (93%)

Blue (90%)



Red (100%)

Yellow (94%)

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 85.3783, 86.9080, 86.4038 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 85.3783, 86.9080, 86.4038 by changing the saturation by 10% instead.


 85.3783, 86.9080,
86.4038

 85.3783, 86.9080,
86.4038


501.3438,
517.9205, 536.5270

 64.4775, 65.4191,
64.4451


139.8129,
143.0359, 144.2244

 47.3007, 47.8010,
46.5628


174.0775,
178.4437, 180.9234

 33.4824, 33.6693,
32.3383


213.5273,
219.2598, 223.3729

 22.6572, 22.6397,
21.3531

258.5279,
265.8688, 271.9914

 14.4599, 14.3277,
13.1886

309.4444,
318.6549, 327.1976

 8.5251, 8.3489,
7.4263

366.6424,

 4.4873, 4.3190,

378.0027, 389.4099

3.6476

430.4871,
444.2964, 459.0468

■ 1.9814, 1.8536,
1.4341

■ 0.6235, 0.5202,
0.1681

■ 85.3783, 86.9080,
86.4038

■ 85.3783, 86.9080,
86.4038

■ 76.9893, 75.4156,
67.3128

94.8539, 99.7359,
108.4394

■ 69.6411, 65.2045,
51.0357

95.0500, 100.0000,
108.9000

■ 63.2934, 56.2329,
37.4398

■ 57.9009, 48.4523,
26.3798

■ 53.4145, 41.8112,
17.6963

■ 49.7806, 36.2539,
11.2118

■ 46.9391, 31.7197,
6.7232

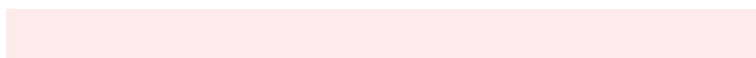
■ 44.8209, 28.1411,
3.9893

■ 43.3497, 25.4794,
2.6332

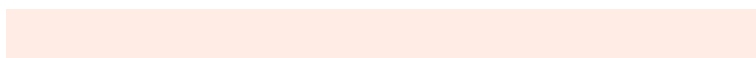
Harmonies

Analogous

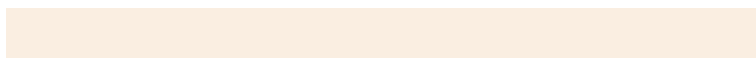
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5200, 86.9080, 91.2593



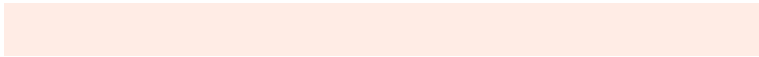
85.3783, 86.9080, 86.4038



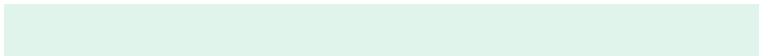
83.5038, 86.9080, 83.8003

Triad

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



85.3783, 86.9080, 86.4038



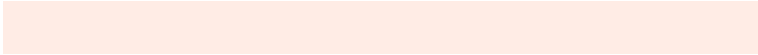
78.7307, 86.9080, 92.0820



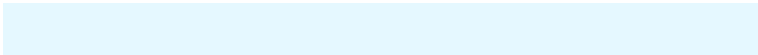
83.7997, 86.9080, 106.1072

Complementary

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



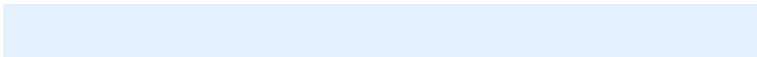
85.3783, 86.9080, 86.4038



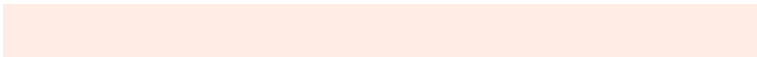
83.9298, 91.0105, 107.7510

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.



81.7096, 86.9080, 106.3504



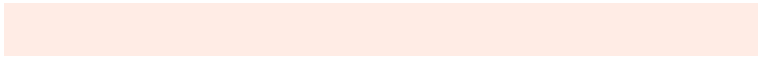
85.3783, 86.9080, 86.4038



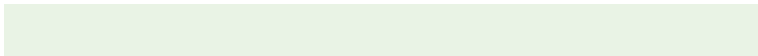
78.8069, 86.9080, 98.0787

Square

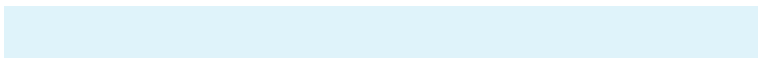
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



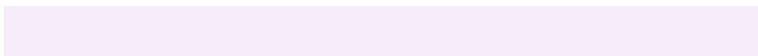
85.3783, 86.9080, 86.4038



79.6795, 86.9080, 86.9840



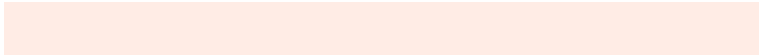
79.8894, 86.9080, 103.3583



85.5980, 86.9080, 102.7073

Rectangle

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



85.3783, 86.9080, 86.4038



82.1017, 86.9080, 83.6168



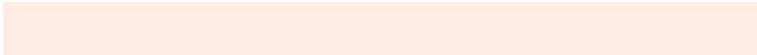
79.8894, 86.9080, 103.3583



83.1073, 86.9080, 106.5658

Sweetspot

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



85.3803, 86.9116, 86.4056



92.0854, 96.0028, 101.9561



86.2135, 84.0811, 100.5469



19.5441, 20.3243, 21.4355



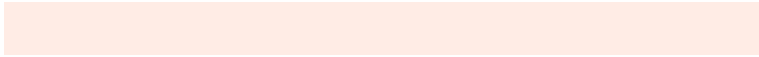
0.0000, 0.0000, 0.0000



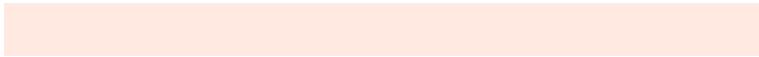
20.3446, 21.4041, 23.3091

Same Dimension

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



85.3803, 86.9116, 86.4056



83.7871, 84.7400, 82.7462



89.2383, 94.6277, 87.6916



18.4074, 18.7831, 18.7996



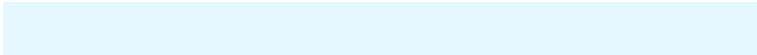
22.7557, 13.5226, 1.4108



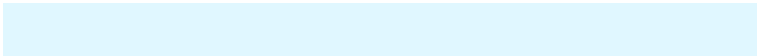
2.3013, 1.4880, 0.1659

Inverse Universe

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



83.9298, 91.0105, 107.7510



82.1008, 89.5037, 107.5565



80.0915, 83.3339, 106.4715



18.1166, 19.6049, 23.0792



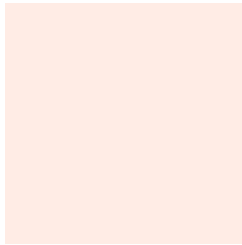
18.7694, 22.4485, 52.7783



1.9179, 2.3665, 5.1690

Previews

White Background



This preview shows how the XYZ color 85.3783, 86.9080, 86.4038 looks on a white background.

Color Contrast Check

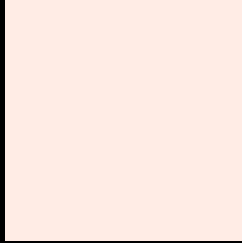
Large Text (above 18pt) WCAG AA × Fail

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 85.3783, 86.9080, 86.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

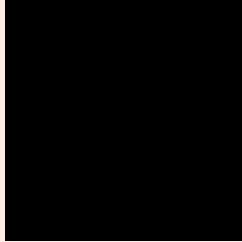
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

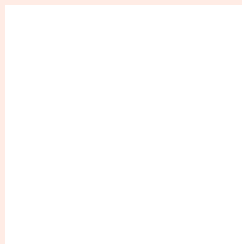
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.3783, 86.9080, 86.4038

Background



This preview shows how black text looks on a background with the XYZ color 85.3783, 86.9080, 86.4038.



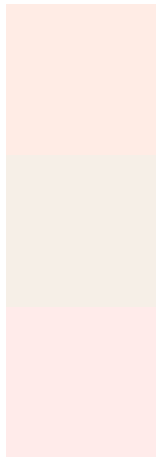
This preview shows how white text looks on a background with the XYZ color 85.3783, 86.9080,

86.4038.

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

85.3783, 86.9080, 86.4038

Protanopia

83.2963, 87.0954, 88.0222

Deuteranopia

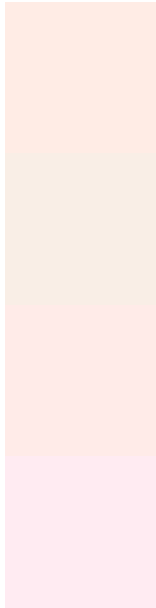
85.7996, 86.6172, 90.0386



Tritanopia

87.7617, 86.9452, 101.7791

Trichromacy



Original Color

85.3783, 86.9080, 86.4038

Protanomaly

83.9244, 87.0020, 87.2327

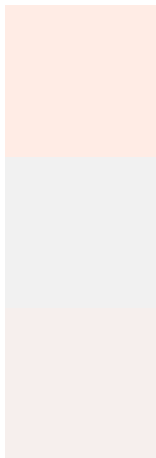
Deuteranomaly

85.5138, 86.5029, 88.5336

Tritanomaly

86.9753, 87.0875, 96.2299

Monochromacy



Original Color

85.3783, 86.9080, 86.4038

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.1586, 87.4403, 92.5628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3783, 86.9080, 86.4038 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 229) }
```

Border

The CSS property to change the border of an element to XYZ 85.3783, 86.9080, 86.4038 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, 229) }
```


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

```
.border{ border-color:rgb(255, 236, 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, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3783, 86.9080, 86.4038 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
236, 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](#).

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