

Converting Colors

XYZ(109.3178, 100.0000,
86.3996)

Have a look what the booklet for
XYZ(109.3178, 100.0000, 86.3996)
contains.

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Color

**XYZ(85.6797, 87.9551,
85.1343)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEE3
RGB	255, 238, 227
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0666, 0.1098
CMYK	0.00, 0.07, 0.11, 0.00
HSL	24°, 100%, 95%
HSV	24°, 11%, 100%
XYZ	85.6797, 87.9551, 85.1343
YIQ	241.8290, 13.6630, 0.1830

Conversions

Conversions Part 2

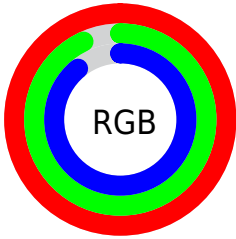
Format	Color
R_{YB}	255, 245, 227
Decimal	16772835
CIE Lab	95.14, 3.94, 7.37
CIE LCh	95, 8.360, 61.864
Yxy	87.9551, 0.3311, 0.3399
Android (android.graphics.Color)	4294962915 (0xFFFFEEE3)
YUV	241.8290, -7.3107, 11.5510
Hunter-Lab	93.7844, -1.0483, 11.8276

Details

The XYZ color **85.6797, 87.9551, 85.1343** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0785, 88.2500, 107.3157**, and the grayscale version is **84.3131, 88.7039, 96.5986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4630, 48.4402, 45.8781** is the 20% darker color. If you saturate the color by 10%, you get **78.1036, 78.0244, 66.5120**, and if you desaturate by 10%, it is **94.1685, 98.8765, 106.6348**.

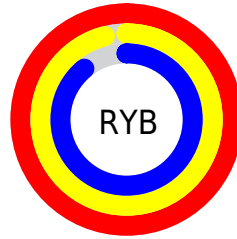
Distribution



Red (100%)

Green (93%)

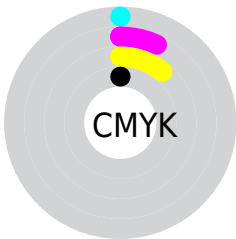
Blue (89%)



Red (100%)

Yellow (96%)

Blue (89%)

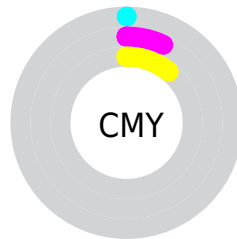


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6797, 87.9551, 85.1343 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 85.6797, 87.9551, 85.1343 by changing the saturation by 10% instead.


 85.6797, 87.9551,
85.1343

 85.6797, 87.9551,
85.1343


502.3243,
521.3562, 532.2285

 64.7275, 66.2859,
63.4016

140.2316,
144.4946, 142.4366

 47.5041, 48.5045,
45.7231

174.5620,
180.1338, 178.8433

 33.6439, 34.2266,
31.6803

214.0825,
221.1983, 220.9784

 22.7818, 23.0677,
20.8546

259.1585,
268.0727, 269.2604

 14.5523, 14.6435,
12.8276

310.1553,
321.1412, 324.1078

 8.5900, 8.5696,
7.1806

367.4383,

 4.5297, 4.4615,

380.7884, 385.9393

3.4951

431.3729,
447.3986, 455.1734

■ 2.0060, 1.9349,
1.3527

■ 0.6373, 0.5693,
0.1044

■ 85.6797, 87.9551,
85.1343

■ 85.6797, 87.9551,
85.1343

■ 78.1036, 78.0244,
66.5120

■ 94.1685, 98.8765,
106.6348

■ 71.4018, 69.0449,
50.6389

■ 95.0500, 100.0000,
108.9000

■ 65.5416, 60.9903,
37.3844

■ 60.4859, 53.8289,
26.6047

■ 56.1944, 47.5269,
18.1424

■ 52.6230, 42.0482,
11.8215

■ 49.7218, 37.3533,
7.4402

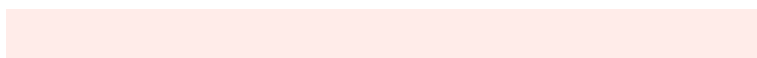
■ 47.4329, 33.3983,
4.7572

■ 45.8187, 30.4173,
3.4562

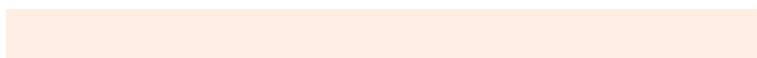
Harmonies

Analogous

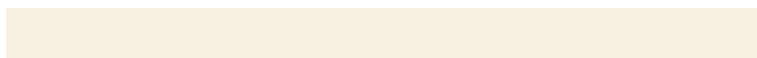
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3713, 87.9551, 89.3022



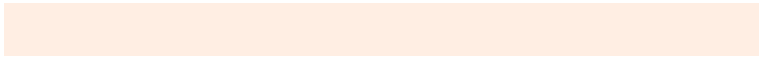
85.6797, 87.9551, 85.1343



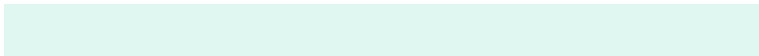
83.4564, 87.9551, 83.7782

Triad

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



85.6797, 87.9551, 85.1343



79.3000, 87.9551, 96.1764



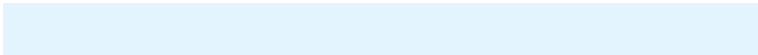
85.9306, 87.9551, 106.8135

Complementary

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



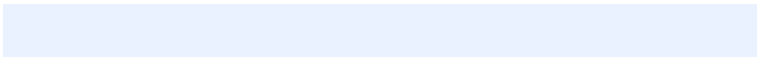
85.6797, 87.9551, 85.1343



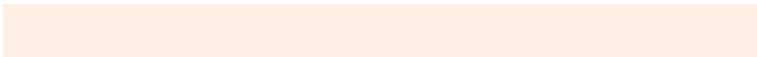
82.0785, 88.2500, 107.3157

Split Complementary

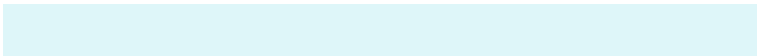
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7411, 87.9551, 108.8507



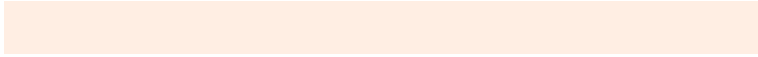
85.6797, 87.9551, 85.1343



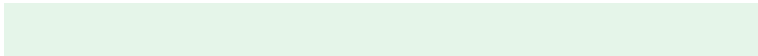
79.9362, 87.9551, 102.5389

Square

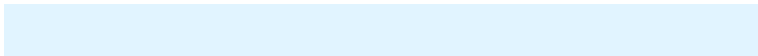
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6797, 87.9551, 85.1343



79.7982, 87.9551, 89.9778



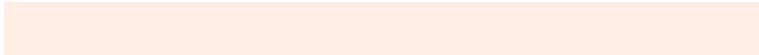
81.5516, 87.9551, 107.2526



87.5180, 87.9551, 101.8017

Rectangle

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



85.6797, 87.9551, 85.1343



81.9793, 87.9551, 84.5995



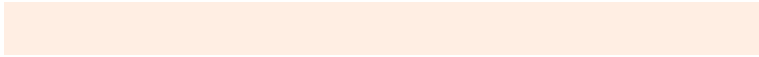
81.5516, 87.9551, 107.2526



85.2392, 87.9551, 107.8789

Sweetspot

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



85.6817, 87.9587, 85.1362



92.3791, 96.5902, 102.0540



85.0793, 82.7471, 97.2886



19.6232, 20.4825, 21.4618



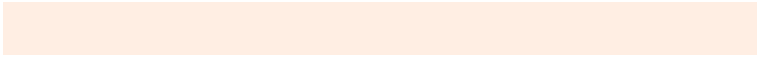
0.0000, 0.0000, 0.0000



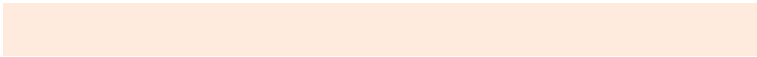
20.3446, 21.4041, 23.3091

Same Dimension

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



85.6817, 87.9587, 85.1362



84.0784, 85.8733, 81.1457



89.8322, 96.2597, 86.5197



18.5950, 19.1581, 18.8622



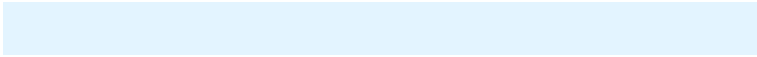
24.0763, 16.1638, 1.8510



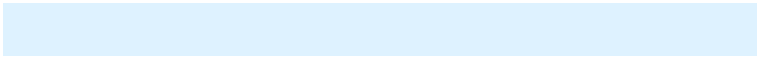
2.4470, 1.7793, 0.2145

Inverse Universe

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



82.0785, 88.2500, 107.3157



79.8717, 86.2129, 107.0388



78.1006, 80.2942, 105.9897



17.9205, 19.2127, 23.0139



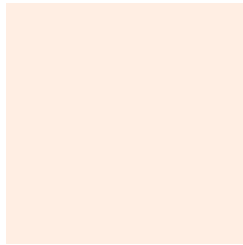
15.6864, 16.2823, 51.7506



1.6338, 1.7983, 5.0743

Previews

White Background



This preview shows how the XYZ color 85.6797, 87.9551, 85.1343 looks on a white background.

Color Contrast Check

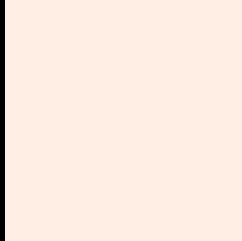
Large Text (above 18pt) WCAG AA × Fail

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 85.6797, 87.9551, 85.1343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

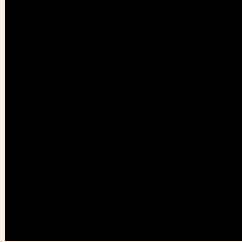
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.6797, 87.9551, 85.1343

Background



This preview shows how black text looks on a background with the XYZ color 85.6797, 87.9551, 85.1343.



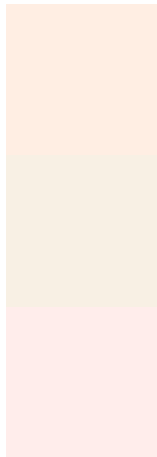
This preview shows how white text looks on a background with the XYZ color 85.6797, 87.9551,

85.1343.

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

85.6797, 87.9551, 85.1343

Protanopia

83.8751, 87.8781, 85.9403

Deuteranopia

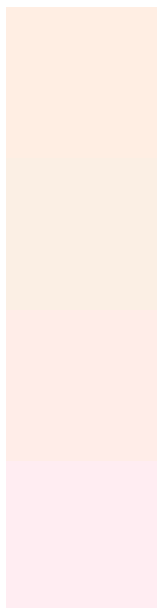
86.5196, 87.8265, 90.9894



Tritanopia

88.4908, 88.1530, 102.7938

Trichromacy



Original Color

85.6797, 87.9551, 85.1343

Protanomaly

84.6538, 87.8437, 85.8926

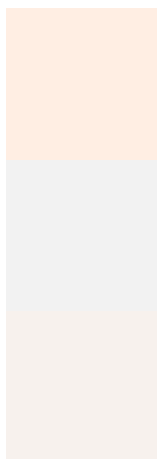
Deuteranomaly

86.0897, 87.6546, 88.7255

Tritanomaly

87.5512, 88.2392, 96.4218

Monochromacy



Original Color

85.6797, 87.9551, 85.1343

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.0991, 88.7992, 92.7755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6797, 87.9551, 85.1343 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, 238, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 227)  
}
```

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, 238, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 227) }
```

Border

The CSS property to change the border of an element to XYZ 85.6797, 87.9551, 85.1343 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, 238, 227) }
```


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

```
.border{ border-color:rgb(255, 238, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6797, 87.9551, 85.1343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 227) }
```

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

```
.background{ background-color: rgb(255,  
238, 227) }
```

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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