

# Converting Colors

XYZ(85.5776, 87.7480, 85.0608)

Have a look what the booklet for  
XYZ(85.5776, 87.7480, 85.0608)  
contains.

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# Color

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

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEEE
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

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	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**.

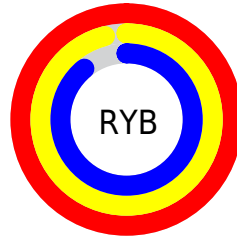
# Distribution



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

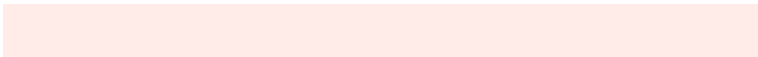
■ 47.4329, 33.3983,  
4.7572

■ 45.8187, 30.4173,  
3.4562

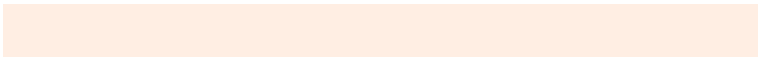
# Harmonies

## Analogous

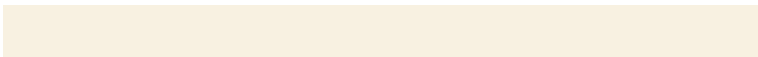
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3713, 87.9551, 89.3022



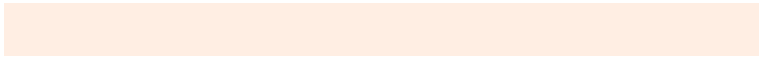
85.6797, 87.9551, 85.1343



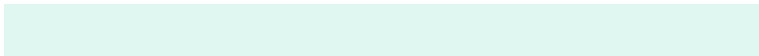
83.4564, 87.9551, 83.7782

# 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



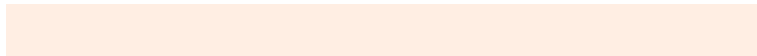
79.3000, 87.9551, 96.1764



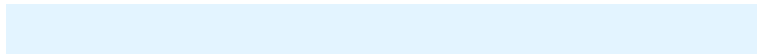
85.9306, 87.9551, 106.8135

# Complementary

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



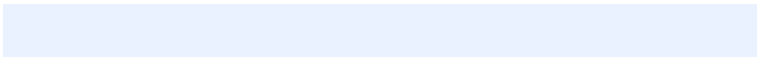
85.6797, 87.9551, 85.1343



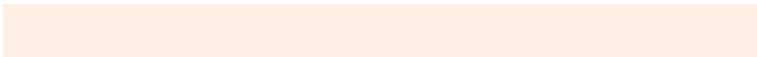
82.0785, 88.2500, 107.3157

# Split Complementary

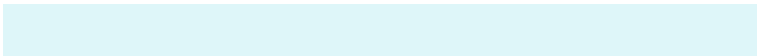
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7411, 87.9551, 108.8507



85.6797, 87.9551, 85.1343



79.9362, 87.9551, 102.5389

# Square

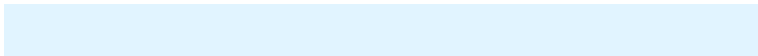
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6797, 87.9551, 85.1343



79.7982, 87.9551, 89.9778



81.5516, 87.9551, 107.2526

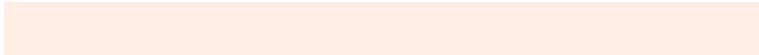


87.5180, 87.9551, 101.8017



# 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



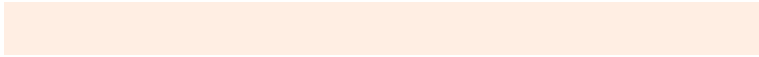
81.5516, 87.9551, 107.2526



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

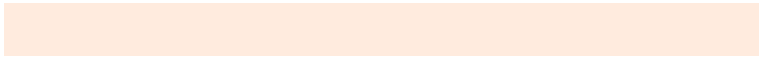


# Same Dimension

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

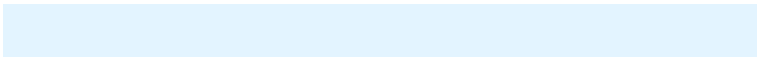


2.4470, 1.7793, 0.2145

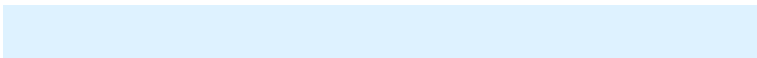


# Inverse Universe

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

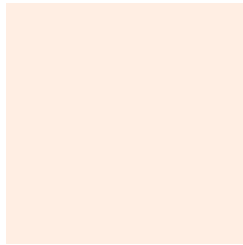


1.6338, 1.7983, 5.0743



# 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

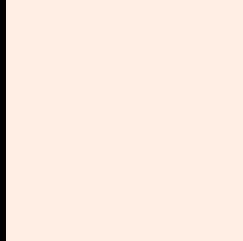
Any Text WCAG AA × Fail

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

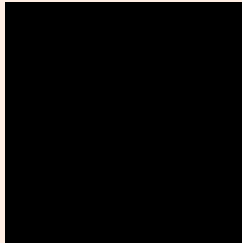
Large Text (above 18pt) WCAG AAA ✓ Pass

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.



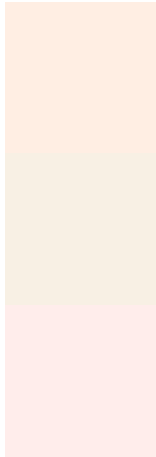
This preview shows how white text looks on a background with the XYZ color 85.6797, 87.9551,

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

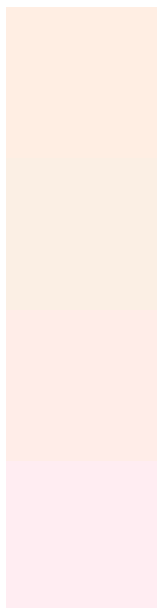
86.5196, 87.8265, 90.9894



## Tritanopia

88.4908, 88.1530, 102.7938

# Trichromacy



## Original Color

85.6797, 87.9551, 85.1343

## Protanomaly

84.6538, 87.8437, 85.8926

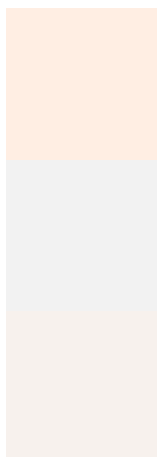
## Deuteranomaly

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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